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Catalogue

*JOHNSON  
and  
MUSSEY  
SEED CO.*

*113 NORTH MAIN ST.  
LOS ANGELES, CAL*



# CHILIAN MELON

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Although this melon has been locally known for several years, we were the first to introduce it to the general public, but our supply having never been equal to the demand, growers have been obliged to use seed from melons



Chilean Melon.

other than the genuine sort, with the result that dissapointment has often followed. We have been extremely careful to select our seed stock, this we sent to our grower to be planted apart from any other variety. Here is his report:

## GROWER'S REPORT

"I think this new melon is a very fine one and will prove a valuable acquisition to the many good kinds that have long been on the market. Its rich, fresh green color with darker green stripes together with its scarlet flesh and very thin rind will make it a favorite with all who try it. The stock was unusually pure for a new variety and the seed you get from me you need not fear to sell for pure stock. The melon has a very thin rind and I am confident it contains more sweet scarlet flesh to the square inch than any variety I ever grew, hence it is bound to please every grower whether for market purposes or for home use."

This melon has become so popular that importers in San Francisco, Kansas City and Chicago will accept no other if this variety can possibly be secured.

Eastern grown, Pkt 5c, 1-4 lb 20c, 1 lb 60c. California grown, 1lb \$1.00



H. L. MUSSER, Pres.

HENRY ALBERS, Vice-Pres.

J. L. DWIRE, Secy-Treas.

# JOHNSON & MUSSER SEED CO.

INCORPORATED

**RELIABLE FIELD, GARDEN, FLOWER AND TREE SEEDS  
BULBS, IMPLEMENTS, LAWN MOWERS, GARDEN HOSE**

NO. 113 NORTH MAIN STREET

LOS ANGELES, CAL.

## *To Friends and Patrons:*

In presenting our Eleventh Annual Catalogue to our friends and patrons, we feel that a personal reference is not only timely, but due to the trade, owing to the changes that have taken place during the past year in the personnel of the corporation. Briefly these are as follows:

It is with a feeling of sadness that we announce the death, on April 17th, of our late and trusted manager, Mr. Ethelbert Johnson, under whose guiding hand this business was developed along conservative lines, until it has become a recognized factor in the seed trade of the Pacific Coast. Needless to add, this of itself made a change of management and the introduction of new capital essential.

In the reorganization of the business, H. L. Musser, who has been prominently and closely identified with the business from its inception, succeeds to the presidency and general management of the Johnson & Musser Seed Company; a selection that will at once commend itself to the trade, as his thorough knowledge of the wants and requirements of the planters and gardeners of the Southwest, and particularly the territory immediately tributary to Los Angeles, insures the future progress, development and stability of the business. His name of itself stands for all that is best in the growing and selling of true-to-name and reliable seeds.

In the acquisition and election of Henry Albers, as vice-president, who enjoys the distinction of owning and conducting the largest poultry supply house in the United States, the corporation has been greatly strengthened in every way. Henry Albers brings to the business a varied experience with men and affairs, being recognized as a broad-gauge business man, capable, energetic, and hence alive to the importance of exploiting the business in every direction.

J. L. Dwire, our secretary-treasurer, has been with the business for the past six years, and is therefore thoroughly familiar with every detail. This insures promptness and accuracy in filling orders and securing superior service in all departments.

E. H. Moore, who has been with the Corporation for a number of years, has been appointed superintendent of our shipping department.

Needless to add in conclusion, the business has sustained a healthy growth ever since its inception, now some twelve years ago. This is due to the quality of seeds handled, which make money for the gardener. We have catered particularly to the market gardeners, always calling their attention to some new money maker.

In conclusion, we wish to thank our many friends for their patronage and to solicit a continuance of the same.

Very truly yours,

JOHNSON & MUSSER SEED CO.



## PLEASE READ CAREFULLY

**How to Order.**—Please be careful to sign your *Name, Postoffice, County and State* in every letter sent us. Cash or satisfactory reference must accompany the order. Money may be remitted by postoffice or express order, bank draft or check. We will accept postage stamps on orders not to exceed \$1.00.

**Postage Prepaid.**—We prepay postage at prices quoted in this Catalogue on all flower and vegetable seeds, except peas, beans, corn, and beets. When ordering these add 10c per pound additional for postage.

**Premiums.**—Do not forget that for every \$1 remitted for seeds in packets and ounces you can order 25c worth extra. Thus, for \$1 remitted, order \$1.25 worth; for \$2 remitted, order \$2.50 worth, and so on. *This applies to packets and ounces only.*

**Packet Seeds.**—Our packet seeds, both vegetable and flower, are large and well filled, and should not be compared with the half-sized, poorly-filled commission seeds which have no doubt been traveling for years from one end of this country to the other,

**Prices of Grass and Clover Seeds, Seed Oats, Seed Potatoes.**—Quotations on these and other field seeds are constantly fluctuating. The prices given in this Catalogue are those ruling at the time this is issued, viz: January 1. We will take pleasure in quoting lowest prices and also in mailing samples. When writing for this information, always state the quantities you expect to require.

**GUARANTEE** Complaints made that seeds are not good, should quite as often be attributed to other causes than the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. For all these reasons it is impossible to guarantee seeds under all circumstances, and, *while we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, expressed or implied. If the purchaser does not accept the seeds on these terms and conditions they must be returned at once and the money that has been paid for the same will be returned.* We test our seeds before sending out, and should they fail to grow when properly tested by the customer we will replace the same amount or give value in others. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and you can get no better stocks of any other seedman, even though he *deceitfully professes to warrant seeds*, which frequently covers nothing but the amount paid for the seed. If you do not think so, inquire into the extent of the warranty, and you will ascertain that your warrants are not crop protection. A guarantee from an **irresponsible** seedman is of no value whatever.



## TIMELY HINTS ON PLANTING

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Obviously to grow vegetables and flowers requires good soil, a rich sandy loam being preferable, though good results are to be obtained from any soil that can be made friable by the use of manure and summer fallowing. Any soil will in time require manure; indeed, too much manure cannot be applied where plenty of water is available. Commercial fertilizers are excellent to force a growth, four pounds to the square rod being sufficient. However, when injudiciously applied, fertilizers are harmful. A mass or lump the size of a pea will kill any seed or young plant with which it comes in direct contact. To grow plants successfully, the soil must be thoroughly prepared for the reception of the seed and early stages of growth. Deep plowing, thorough harrowing when the ground is neither too wet nor too dry, are essential. Seeds are tiny delicate plants in embryo, that need only moisture, heat and a certain amount of air to produce germination; too much moisture and insufficient heat will rot the germ. When started, the growth should not be checked by a sudden change of temperature or a lack of moisture or sunshine. As different seeds require different degrees of temperature, it is difficult to formulate a rule that will be a safe guide. The following pages, however, treat of each crop briefly in a way calculated to insure a crop. The depth at which seeds should be sown varies with the variety, the conditions of the soil and the season.

Do not expect the tender plant to penetrate a hard crust, which condition of soil must be avoided. Should the ground be irrigated or subjected to rainfall soon after the seed has been planted, and this followed by a hot sun or strong wind, the soil will become crusted, unless carefully harrowed to break up the crust, in which case the seed may not germinate, or if the plant is started, may perish in the early stages of its development. Deep and frequent cultivation while the plants are young and careful weeding is necessary. As the roots spread, cultivation should be more shallow to avoid disturbing the tender fibrous roots. Every garden should have a hot bed where plants can be started and cared for, to be ready for planting out as soon as all danger from frosts and cold rains is past. The purpose of the hot bed is not only to protect the plants from the elements, but to supply heat beneath the plant that the roots may grow vigorously. To make a good hot bed, dig a trench in the ground from east to west, about six feet wide, so you can easily reach the center from either side for weeding; about eighteen inches deep; build a board frame around this trench, the north side six inches higher than the south side, which is six inches above the ground. Fill with strawy horse manure to a depth of fifteen inches; tramp it down well, then water lightly and cover three inches deep with leaf mold or sandy loam. Cover the whole with adjustable sash.

When the seed has been planted, water well and do not close the sash down tightly except during the very cold nights, but open wide during the hot hours of the day. The purpose is to keep as nearly as possible an even temperature. When the time approaches for transplanting, harden the plants by more exposure and less water.

**TRANSPLANTING:**—The ground should be thoroughly prepared to receive the plants. Water them well that they may be pulled with the least possible injury to the roots. Plant as deep as the plant will allow, almost to the top, packing the soil firmly about the roots; pinch off all the larger leaves, leaving only the heart proper; this is to avoid wilting, for it is taxing the roots too hard to recuperate the leaves once wilted. If water is needed in transplanting, cover the wet earth with dry dust to avoid a crust about the plant. Plants should never be watered during the hot sunshine, but morning or evening. Plants accustomed to watering should be watered regularly if forcing is desired.



## THE MONTEBELLO TOMATO

We have here the grandest large extra early Tomoto of the age for market gardeners, private gardeners, and shippers. No matter whether you plant one dozen or one million plants for your first picking. It is just the large extra early Tomato thousands have been looking for. It is just the Tomato you need. It is an enormous yielder. The plant is a perfect mass of large, beautiful red fruit. It is an ideal "stem setter." The fruit ripens early and almost all at once. The Tomato that will bring you wealth. Packet, 20 cents;  $\frac{1}{2}$  oz., \$1.00. Our stock is so limited that that only  $\frac{1}{2}$  oz. will be sold to one customer.



The Montebello.

## SPARKS' EARLIANA

The Earliest Large, Smooth, Red Tomato.

This Tomato is not only remarkable for its earliness, but for its handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts. From less than 4,000 hills the originator realized from his first pickings \$725.00 clear of freight and commission, being in the market fully 2 weeks before all others. Of 25 trial packets given away in July, all reported picking ripe tomatoes before Nov. 1st.

Price, per oz, 50 cents.



# We Want to Interest You in Ginseng

The present supply, which is now gathered from the woods in its wild state, is fast diminishing by reason of the persistent search for it by the "Sang Digger;" so much so, that unless we start to grow it commercially it will soon become extinct.

Exportation of American Ginseng to China, brought to this country last year \$842,000, or an average of \$6.00 per pound, with prospects for higher prices in the future. The American Consul at Amboy, China, in his annual report to the State Department, says that it would be possible to market annually in China \$20,000,000 worth of ginseng.

It seems beyond belief to say that it is possible to produce from fifteen hundred (1500) to two thousand (2000) pounds on a quarter of an acre of ground, but it is true, as proven by the experiences of a few keen planters who have had the insight and perception to see the immense possibilities of this wonderful plant.

## Lot 1.—\$5.00

This selection contains 30 very fine selected plants and 30 tested seeds; 12 of these plants are three years old and are seed bearers; 6 are two years old and ought to bear a few seed the first year; 12 are one year old.

This lot will pay a dividend in seed of from 50 to 75 per cent. on the entire investment the first year.

## Lot 2.—\$10.00

This assortment contains 60 strong, fine roots and 60 tested seeds. Twenty-four of these plants are three years old and are seed bearers; 12 are two years old; 24 are one year old.

You should get your money back in seeds the first year from this lot.

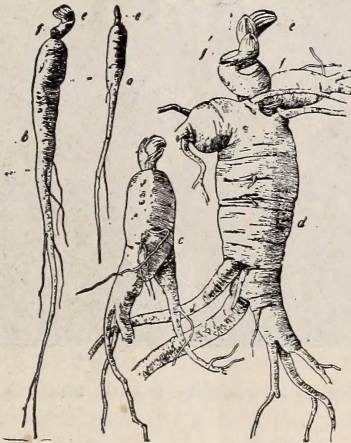


Fig. 3.—Fresh Roots of Ginseng from Cultivated Plants.

a, one year old; b, two years old; c, three years old; d, four years old; e, bud; f, leaf scar.

## Lot 3.—\$25.00

Contains 150 fine, thrifty plants and 150 tested seeds. Sixty of these plants are three years old; 60 are one year old.

Lot 3 is a favorite investment with our customers and is large enough to give you a start in the business. It should prove a gold mine in your garden.

## Lot 4.—\$50.00

Contains 305 plants and 305 tested seeds; 122 of these plants are at least three years old and are seed bearers; 61 are two years old; 122 are one year old.

This lot pays more than \$2 where Lot 3 pays \$1, and should prove the cornerstone of your independent fortune.

## Lot 5.—\$100.00.

This investment contains 620 very choice selected plants and 620 tested seeds; 248 of these plants are three-year-old seed bearers; 124 are two years old; 248 are one year old.

Note the large number of plants in these lots that are three years old and are seed bearers. This will bring your garden into profitable bearing some two or three years sooner than with the very young plants, and is a point not to be overlooked.

## CULTIVATION.

Ginseng, while it requires a fertile soil, can be readily grown in any good ground that would be suitable for garden purposes. It succeeds best in rich soils, that are filled with humus or decaying vegetable matter. The principal object to keep in mind is to give the plant conditions that are as nearly similar as it would find in its natural state. Northern exposure is preferable, when choosing your location, and as the plant only succeeds in its wild state in shaded locations of the forest, you will have to shade it artificially if you have no natural conditions of that sort.

All orders are taken subject to the supply being unsold.

Circular mailed on application.

Booklet giving complete instructions, 25c.





A Field of Kentucky Wonder Wax Beans.

## The Kentucky Wonder Wax Bean

This is our second year for this bean. We repeat what we claimed for it last year.

In saying that this bean is even more prolific than its green-podded namesake, we do not overstep the bounds of truth. It commences to bear when scarcely higher than the average bush variety, and keeps on producing until killed by frost. In some comparatively frostless districts it has continued in bearing from June to December. The illustration shows the height of the vine and its enormous productiveness.

It is a rampant grower, one vine filling a pole with a mass of vines densely loaded with luscious beans, almost a solid mass of pods from bottom to top.

The pods are so fleshy that they are frequently greater in thickness than in width. They are solidly meaty, entirely stringless, and when cooked, deliciously rich and buttery.

The seed is brown, closely resembling that of the Kentucky Wonder. Per packet, 5 cents; per lb., 20 cents.



## PLANT MUSHROOMS FOR PROFIT



*Preparation of Material.*—This is the most essential point to be studied to ensure success. Procure fresh stable manure, which should consist of half droppings and half short litter; this must be thoroughly turned over every other day for about a fortnight. Manure obtained from unhealthy cattle, or from those who have been fed on green food or carrots, should not be used for this purpose.

*For Making Outdoor Beds.*—The material should be put into a heap, the measurements of which should be, when made up, 2 ft. 6 in. at bottom, 2 ft. 6 in. high, and 6 in. wide at the top, and to any length required, the whole to be firmly put together. After making the bed, put stakes down the centre by which to gauge the heat, and cover all with long litter; after three or four days pull out the stakes, and when the temperature is at about 80° the bed is ready for spawning; break the bricks of spawn into pieces about the size of a hen's egg, and put into the bed about 8 inches apart; cover the whole with fresh fibrous loam, and beat it well, making the surface quite firm, lightly water and smooth the surface with the back of a spade, finally cover up with long litter and Russian mats to keep away light and excessive moisture.

Mushrooms may also be grown in any shed or cellar where the temperature does not fall below 45°; the best site for a bed is a hard dry floor. A moderate size bed would measure 5 ft. 6 in. x 4 ft. 6 in. x 1 ft. When made up and well pressed down, in about six weeks Mushrooms should show, and the bed should then have a light watering with tepid water about every ten days, as success depends upon maintaining an even temperature,

### PURE CULTURE MUSHROOM SPAWN.

This is a new kind of spawn and is supposed to be the very best in existence. It was discovered early last spring by Prof. B. M. Duggar of the University of Missouri, who has charge of the mushroom work in the office of the Pathologist and Physiologist, United States Department of Agriculture, and is manufactured into bricks. It certainly grows much faster than any other spawn, and seems to be much more vigorous and runs through the bricks much quicker than other spawn. The pure culture spawn is grown direct from the best and most prolific varieties of mushrooms, either from the spores or tissue in glass tubes in sterilized manure, and is bound to be perfectly pure, as all bacteria has been killed before the seed or piece of mushroom is put into the tubes. Per brick 25 cents. Postage 15 cents per brick extra.



# CRUMB'S WHITE ROSE POTATOES



Crumbs' White Rose Potato.

Although the White Rose has been favorably known here for several years, there has been no reliable source of supply. Mr. Crumb has, by scientific cultivation, brought this variety to such a state of perfection that he is safe in asserting that it will produce more than any other variety in the same quality of soil. The above cut was made from a typical White Rose potato, not the largest one. For the table it is unexcelled. We give this special mention because we know it is a money-maker for the grower and will not disappoint the consumer. Price per 100 lbs, \$3.00.

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## OUR RELIABLE SEEDS.

Our reliable garden seeds are grown especially for market gardeners and truckers. For ten years we have supplied seeds for market gardeners. Their peculiar wants have been our study; nearly every season we have added an improved variety of some kind. The French Mohawk, Ventura Wonder and Kentucky Wonder Wax Beans, the Triumph Potato, the Chilian Melon, the New Queen Onion, our strain of Winningstadt Cabbage, New Dwarf Golden Self-Blanching Celery, Roselle, Wonderful Lettuce, all are money makers and have come to stay as leaders in the vegetable market.

## NEW VARIETIES.

The new varieties occasionally listed have all been submitted to careful tests and may be relied upon to give perfect satisfaction. The directions for culture here given are applicable only to Southern California, Arizona, Mexico and other semi-tropical localities.

## SEEDS IN PACKETS.

SEEDS IN PACKETS.—All vegetable seeds, except Cauliflower, are put up in 5c. packets, which are liberally filled, and just as fresh as our bulk seeds. We send these by mail prepaid at 25 cents per half-dozen, 50 cents per dozen, or twenty-five for \$1.00.



# J. & M. Reliable Vegetable Seeds

## Artichoke.



Globe Artichoke.

**CULTURE.** Sown any time during the year, either in frames to be transplanted or where you desire the stalk to remain. If forcing is desired give abundance of water. Set in rows six feet apart, three feet in the row. They will bear profitably for two years.

**Large Globe or Paris.** This is the French Artichoke, and is grown for its flower heads, which are cooked like Asparagus. It is perennial, hardy, and easily cultivated, hence should be more generally grown. Per oz 30c;  $\frac{1}{4}$  lb \$1.00. Pkt 5c, oz 25c.

**Jerusalem Artichoke.** Grown largely for the fleshy tubers, which when pickled are a delicious relish for the table. Also grown largely by ranchers for hog food, being a healthy but not fat producing food. Per lb 10c, 100 lbs \$5.00.

**Red Jerusalem Artichoke.** This is enormously productive. Sometime ago a friend in New York state sent us  $\frac{1}{4}$  pound. With this we planted eight hills which produced ninety-four pounds. Per lb 10c.

**White Artichoke.** A well-known variety. Per lb. 5c, 100 lbs. \$4.00.

## Asparagus.

**CULTURE.** One ounce for 60-foot row. Soak seed for 24 hours in warm water, and sow thinly in rows one foot apart. Thin out seedlings to four inches in rows. When the roots are one year old, prepare a bed of manure and soil about two feet deep. Set out roots six inches below the surface, and twelve inches apart. Plant early in Spring, from January to April. In the Fall, dress with manure and salt after tops are cut.

**Palmetto.** Rapid grower; immense stalks; keeps well. Per oz 10c, per lb 75c.

**Connover's Colossal.** Of large size and great productiveness. Per oz 10c, per lb 40c.

**Columbian Mammoth White.** Furnishes white shoots without artificial blanching. Per oz 10c, per lb 75c.

One and two year old roots can be had on application during January and February. One year roots, per 100 50c, two year roots, per 100 \$1.00.



Palmetto Asparagus.

## Brussels Sprouts.

**CULTURE.** Treat same as Cabbage.

**Dwarf Improved.** Produces on the stem compact sprouts resembling miniature cabbages. A delicious vegetable. Per oz 15c, per lb \$1.50.

## Beans.

**CULTURE.** Beans are very sensitive to cold and wet; it is almost useless to plant them before the ground has become warm. The best results are obtained by planting in drills from two to three feet apart and two to four inches in the row. Do not disturb the roots when cultivating. Require 40 to 50 lbs. to the acre.

**Early Yellow Kidney Six Weeks.** Vines large, vigorous, branching, productive, with large leaves and lilac blossoms; pods long, straight, narrow, handsome, and when young, of good quality; beans long kidney-shaped, yellowish drab. with darker marks about the eye. Per lb 15c, 100 lbs \$8.00.





**Extra Early Refugee.** A very early, green podded kind, furnishing a fleshy pod of fine quality. The vines are a little smaller and more upright growing and the leaves distinctly lighter colored than those of the late Refugee, though the dry beans are much the same in shape and color. Our stock has been selected with great care and is uniform, all the vines ripening their pods well together and long before those of the common Refugee are usable. Per lb 15c, 100 lbs \$8.00.

**Refugee, or Thousand to One.** Vines large spreading, exceedingly hardy with small, smooth leaves and large, lilac flowers, very late, and esteemed for late planting and for use as pickles; pods long, cylindrical, green becoming white, streaked with purple as they mature; of good quality as snaps; beans long, light drab, dotted and splashed with purple. Per lb 15c, 100 lbs \$8.00.

**Extra Early Round Pod Red Valentine.** For snaps there is nothing superior to this variety among the older green podded sorts, and many prefer it to the wax varieties. Per lb 15c, 100 lbs \$8.00.



**Burpee's New Stringless Green Pod.** An early variety having long, straight round and fleshy pods free from strings. Per lb. 15c, 100 lbs. \$8.00.

**Canadian Wonder.** Might well be called "The Market Gardener's Favorite." For fall and early spring planting it bears abundantly; if picked frequently will bear a long time. It is very hardy, bearing large pods when other sorts cease to grow. The pods are long and straight. Per lb 15c, 100 lbs \$8.00.

**Rapp's Favorite or French Mohawk.** This bean was introduced by us four years ago, and has grown to be so popular that we have always been unable to supply the constantly increasing demand. We can now, however, assure our trade that we will have an abundant supply for fall planting. It is the best of all for forcing. Pods seven to nine inches long, nearly round and straight, stringless and tender. Per lb 15c, 100 lbs \$8.00.

**French Kidney.** The hardiest of all; prolific. Good for shipping and can recommend for late fall planting. Per lb 15c 100, lbs \$8.00.

Remember we are always in the market for Calla bulbs, and growers will only be consulting their interests by first seeing us before disposing of their product.



## Beans—Wax.

**Our Golden Wax.** This is of local origin and was discovered by us two years ago. Unequaled by any other. The pods are long, nearly straight, broad, flat, golden yellow, very fleshy and wax-like, with short, green points, cooking quickly as snaps, shelling well when green, and of the highest quality, used in either way. Per lb 15c, 100 lbs \$8.00.

**Prolific German Wax, Black Seeded.** We imported this improved strain of Black Wax last year and are so thoroughly satisfied with it that we have discarded the old stock altogether, this being more vigorous and far more productive, with a longer, whiter, more fleshy pod. Vines medium sized, very vigorous and hardy. Flowers reddish-white or purple. Pods medium length, borne well up among the foliage, curved, cylindrical, fleshy and of a clear, waxy-white color, with long, slightly curved point; remain a long time in condition for use as snaps. Beans small, oblong, jet black. No one can afford to plant the old Black Wax or Butter Bean, as this is much better in every respect. Per lb 15c, 100 lbs \$8.00.

**Refuge Wax.** As Refuge Green Pod is one of the best, so is the Refuge Wax. Tender and crisp. We have only a limited supply of seed and would like every one to try it. We offer a trial packet free with every 25c purchase of vegetable or flower seeds in packets.

**Wardwell's Kidney Wax.** Early; vine medium, erect, hardy, productive. Pods long, broad, flat, brittle, and of a delicate waxy-yellow. Beans large, kidney-shaped, white and dark markings about the eye. First-class green snap bean, and a good one for winter. Per lb 15c, 100 lbs \$8.00.

**Ventura Wonder Wax.** This is the absolute perfection of wax beans. Pods are long, straight, oval and transparently white, often growing to a length of nine inches. Entirely stringless and a fine flavor. It is more productive than any other wax bean, and the bush is extremely hardy. Per lb 15c, 100 lbs \$8.00.

**Burpee's Bush Lima.** A perfect dwarf Lima Bean. Quality equal to any pole variety. Per lb 15c, 100 lbs \$8.00.

**Henderson's Bush Lima.** Smaller than Burpee's, but earlier and very prolific. Per lb 15c, 100 lbs \$8.00.

**Broad Windsor.** Greatly relished in England and Germany. Beans fully as large as a Lima. Per lb 15c.

**Lady Washington, Small White, Black-eye, Pink or Frejole.** [Write for market quotations.]

## Beans—Pole.

**White Crease Back.** This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time. Vines small to medium, but vigorous, and in good soil wonderfully productive, bearing pods in clusters of from four to twelve. Pods medium length, silvery-green, of the best quality as snaps and stand shipping better than most sorts. The beans are too small to be of much value when shelled green, but are of very superior quality baked. When dry they are small, oval, very white and hard. Per lb 15c, 100 lbs \$8.00.



Ventura Wonder Wax.



**Mammoth Podded Horticultural Pole.** Similar in general character to the London Horticultural, but larger in every way. The mammoth pods are striped and splashed with exceedingly brilliant crimson. Per lb 15c, 100 lbs \$8.00.

**Kentucky Wonder or Old Homestead.** Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. Dry beans long, oval, dun-colored. Per lb 15c, 100 lbs \$8.00.

**Lazy Wife's.** Pods grow from six to eight inches long, entirely stringless, of a rich buttery-flavor when cooked; retain their tender, rich flavor, until nearly ripe; a good white shell bean for winter use. Per lb 15c, 100 lbs \$8.00.

**Red Speckled Cut-Short.** "Corn Hill." Per lb 15c, 100 lbs \$8.00.

**Scarlet Runner.** Clusters bright scarlet flowers. Per lb 15c.

**Yard Long or Cuban Asparagus Bean.** A curiosity. Dark green foliage; pods over two feet long and very abundant. Per pkt 5c, lb 20c.

**Large White Lima.** The best shell bean known either green or dried. A splendid productive sort. Per lb 15c, 100 lbs \$8.00.

**King of the Garden Lima.** Beans of unusual size, quality perfect. Per lb 15c, 100 lbs \$8.00.

**Common or Field Lima.** Too well-known to require description. Write for prices.

**Small White Lima, Carolina or Sieva.** Very prolific; a favorite in the South. Per lb 15c.

## Beets—Stock.

**CULTURE.** May be sown from October to May, in drills  $2\frac{1}{2}$  feet apart. Thin out to stand one foot apart in the rows. Keep well cultivated; five pounds of Mangel or ten pounds of Sugar Beet seed, will plant an acre.

### **Mammoth Long Red Mangel.**

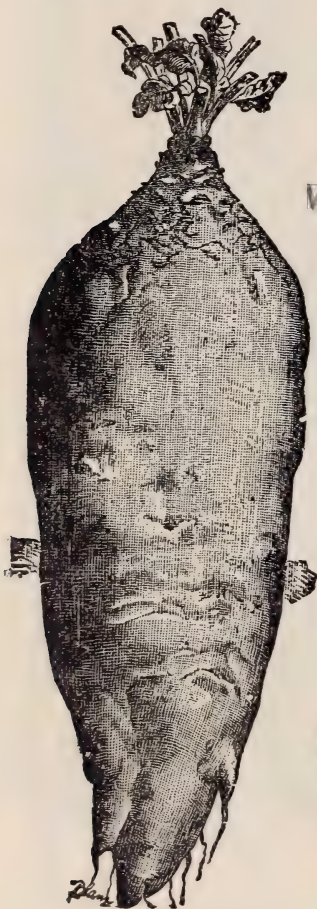
The largest and best producing stock beet. Yields twenty to thirty tons to the acre. All stock except horses eat it readily. Per lb 20c, 100 lbs \$14.00.

### **Golden Tankard Mangel.**

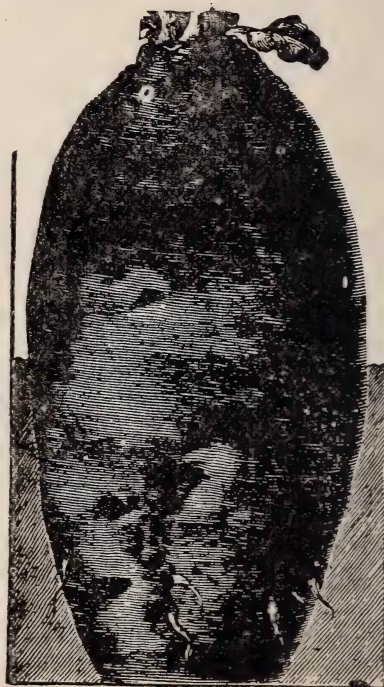
Contains less water and more sugar than any other Mangel. Rich in milk-producing qualities, hence a favorite with dairymen. Horses will eat it. Per lb 20c, 100 lbs \$15.00.

### **Yellow Globe Mangel.**

Easily harvested and a splendid keeper. Similar in good qualities to the Golden Tankard. Per lb 20c, 100 lbs \$15.00.



Mammoth Long Red.



Golden Tankard Mangel.



**Lane's Imperial Sugar.** The heaviest cropping Sugar Beet, and the most profitable for stock farmers. Per lb 20c, 100 lbs \$14.00.

**Vilmorin's Improved Sugar.** One of the richest and best varieties, for both the manufacture of sugar and for stock feeding. Per lb 20c, 100 lbs \$15.90.

**Klein Wanzleben.** This variety is without question the best in cultivation. Not the largest in size, but the richest in saccharine matter. Per lb 20c, 100 lbs \$15.00.

**Improved Imperial White Sugar.** An improvement on the large varieties of Sugar Beets; hardy and more sugary. Per lb 20c, 100 lbs \$15.00.

If by mail add 10c per lb to the above prices.

## Beets—Table.

**CULTURE.** Sow a l the year in drills eighteen inches apart, one inch deep. Thin plants afterwards to three inches apart. One ounce of seed will plant a seventy-five foot row.

**Extra Early Egyptian.** The most popular early variety. It is turnip shaped and when young is crisp and tender. Dark red in color. Per oz 10c, lb 50c.

**Eclipse.** Nearly as early as above. Has very small top; smooth, fine grained and tender. Per oz 10c, lb 50c.



Extra Early Egyptian.

**Early Blood Turnip.** Extra early, of deep large growth; flesh very tender, and retains its blood-red color when cooked. Per oz 10c, lb 50c.

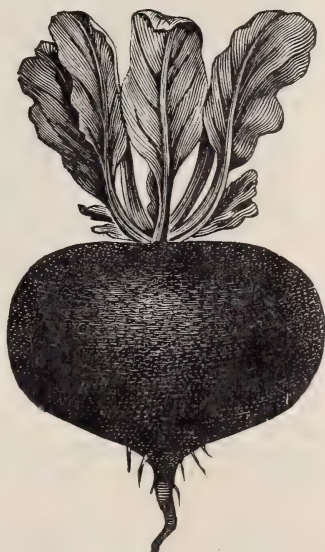
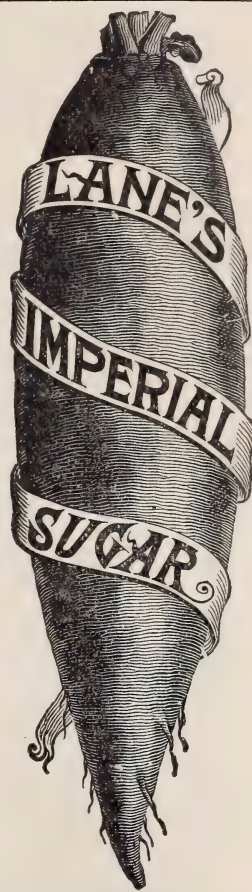
**Long Dark Blood.** Long, smooth, growing to good size; color dark blood-red; top small, of upright growth. Per oz 10c, lb 50 cents.

**White Swiss Chard.** Grown for its leaves only. One of the best early greens. Per oz 10c, lb 50c.

## Broccoli.

**CULTURE.** Treat same as cauliflower.

**Early Purple Cap.** Resembles cauliflower, but is hardier and more easily grown. Heads purplish-brown in color, always close and compact. Fine flavor. Per oz 30c, lb \$3.00.



Eclipse.



**Chicory, Large Rooted.** The roots, dug in the fall, dried, cut in thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sown quite thinly in shallow drills early in the spring. When well started thin out to stand two or three inches apart in the row and give good cultivation all summer, so that the roots may grow as large as possible. Per oz 10c, lb 90c.

### Chervil.

**Curled.** While young and tender, used as a salad and for seasoning soups, etc. Of a pleasant aromatic taste. Sow in drills one foot apart and half an inch deep, thinning out to stand one foot apart in the rows. Per oz 10c, lb \$1.00.

### Collards.

**Georgia or Silver.** Grown extensively in the South for greens; a sure and easy crop. Per oz 10c, lb 1.00.

### Cress or Pepper Grass.

**CULTURE.** Sow the Curled Cress at intervals early in the spring in shallow drills twelve inches apart. Cress requires a rich soil. The Water Cress should be sown in the spring along the edge of irrigation ditches, flowing streams, or where sufficient moisture is afforded. Only one sowing is necessary, as it reseeds itself and increases rapidly.

**Curled.** When used as a small salad, like lettuce, the leaves impart a warm, pungent taste. Per oz 10c, lb 50c.

**Water Cress.** One of the most delicious of small salads, and should be grown in every garden where sufficient water or a wet soil is available. Always in demand in the city markets. Pkt 10c, oz 35c.

### Cauliflower.

**CULTURE.** Prepare the soil as for cabbage. Seed may be sown from June to following April. Set out the plants two feet by fifteen inches apart. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of its growth; hence, irrigate freely. One ounce of seed produces 2000 plants, four ounces to the acre.



Improved Algiers.

#### Henderson's Early Snowball.

Very early and one of the surest to head. It has long been the standard sort. Per pkt, 25c oz \$2.50.

**Extra Early Erfurt.** Very dwarf, with solid white heads of superior quality. Per pkt 20c, oz \$2.00.

**Autumn Giant.** Heads large, firm and compact, and thoroughly protected by foliage. Per pkt 5c, oz 75c, lb, \$8.00.

**Improved Algiers.** The best late sort. Sure heading. We think it the best variety for main crop in this section; it has proven popular with market gardeners for eastern shipment. Per pkt 10c, oz \$1.00, lb \$12.00.

#### California Mammoth Market. A

distinct variety which has long been grown in preference to any other sort by our Chinese gardeners. In fact, they have only resorted to other varieties when out of this. They have jealously guarded their source of supply and it was only recently that through our close friendship for one of them that we were enabled to obtain a limited quantity of the seed. It is a very large, hardy variety of good quality, and seems to stand shipment better than any other sort. No other Cauliflower stands our long, dry season so well. Per pkt 10c, oz 75c, lb \$7.50.

**NOTICE.** Last fall we distributed one hundred packets of a new variety of Cauliflower. Should it prove a desirable sort we will offer it in quantity next year.



## Corn—Sweet.

**CULTURE.** Plant from March to September, in drills three and one half feet apart and twelve inches apart in the rows. A pound of seed will plant 100 hills, 18 lbs. an acre.

✓ **Country Gentleman.** The most delicious of all sweet corns. The ears are somewhat smaller and less showy than the coarser varieties, but for private family use, where quality is preferred to size, it has no equal. The cob is very small, giving great depth to the kernels. The great merit of "Country Gentleman" is its fine quality. Time of ripening a little later than Stowell's Evergreen. Per lb 15c.

✓ **Stowell's Evergreen.** The most popular of all. If planted at the same time with earlier kinds, will keep the table supplied till October. It is hardy and productive, very tender and sugary, remaining a long time in a fresh condition suitable for cooking. Per lb 15c.

✓ **Adam's Extra Early.** The hardest and earliest variety for table use; can be planted earlier than any other, but is not a sweet corn; white indented grains and short ear. Per lb 15c.

✓ **Old Colony.** A sweet, tender sort, with large, handsome ears, 16 to 20 rowed. A selection of evergreen type; it is one of the most productive of all Sweet Corns. Per lb 15c.

✓ **Extra Early Cory.** The earliest variety. Small, but of good quality. Per lb 15c.

✓ **Early Minnesota.** An excellent sweet corn of extra early habit. Per lb 15c.

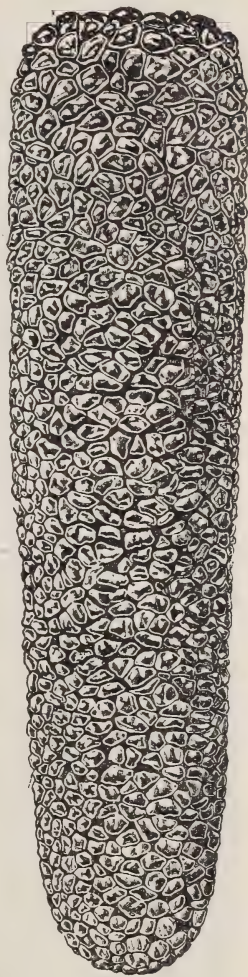
✓ **Early Crosby.** Second early. Remarkably productive grower with good-sized ears. Per lb 15c.

✓ **Early Mammoth.** Produces larger ears than any other early sort. Per lb 15c.

✓ **Late Mammoth.** One of the finest varieties for main crop. Good quality, very productive. Per lb 15c.

✓ **Black Mexican.** One of the best sweet corns for this section. Deliciously sweet and tender, and very productive. Per lb 10c, 100 lbs \$8.00.

✓ **Sweet Fodder Corn.** A poor grade of Evergreen used for soiling and green fodder. Per lb 5c, 100 lbs \$4.00.



Country Gentle m

## Corn Salad or Fetticus.

A vegetable used as a salad. It is sown on the first opening of spring, in rows one foot apart, and is fit for use in six or eight weeks from sowing. If wanted in early spring, sow immediately after fall rains. Can also be grown in cold frames.

✓ **Large Leaved.** Per oz. 10c, lb. 60c.

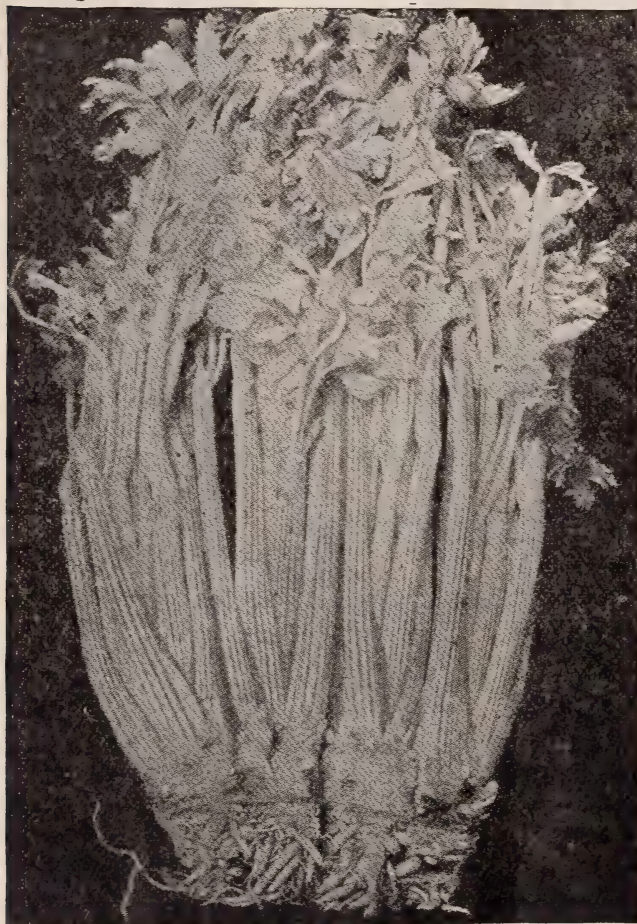
**Shovels.** We have a complete line of shovels and our prices are positively the lowest. See them before you buy elsewhere.



## Celery.

**Dwarf Golden Self-Blanching.** Genuine French grown seed imported direct from the original introducer.

So many of our Celery Growers have been disappointed in past seasons in their crops grown from the seed of this variety, that we determined to secure the best seed, regardless of price, for those who wish to have it. We therefore sent to Paris, France, to the originator of the DWARF GOLDEN SELF-BLANCHING CELERY, and have secured from him fifty pounds of this seed—all that he could spare us. If obtained in its original purity, this is the best Celery in the world.



Dwarf Golden Self-Blanching Celery

It is of dwarf habit and very stocky; stalks uniform in height, growing very compactly, the color of the stalks and leaves being a rich golden-yellow. No other variety equals it in quality; it is solid, tender, crisp, and rich in flavor. Per pkt 10c, oz. 40c, lb \$5.00.

**Improved White Plume Celery (French Grown Seed).** We have also secured from the French grower mentioned above a limited quantity of IMPROVED WHITE PLUME CELERY SEED. Those who are desirous of growing a superior strain of this well known variety will do well to try it. Per pkt 10c, oz 30c, lb \$3.00.

**Golden Self-Blanching (Cal. Grown).** For early use, preferred by many to all other sorts; as self-blanching as White Plume and simply needs a slight earthing up. Per oz 20c, lb \$2.00.

**Select White Plume (California Grown).**

Its stalk, inner leaves and

heart are naturally white, so that by simply tying or drawing the soil up against the plant and pressing it in, is all the work or blanching required. Per oz 15c, lb \$1.50.

**Pink Plume Celery.** The "Pink Plume" is practically identical with "White Plume," but with the added merit of the stalks being suffused with pink. Per oz 20c, lb \$2.00.

**Dwarf Golden Heart.** A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine, nutty flavor. Per oz 15c, lb \$1.25.

**Flavoring Celery (Old Seed).** For flavoring soups, pickles, etc. Per oz 5c, lb 40c.

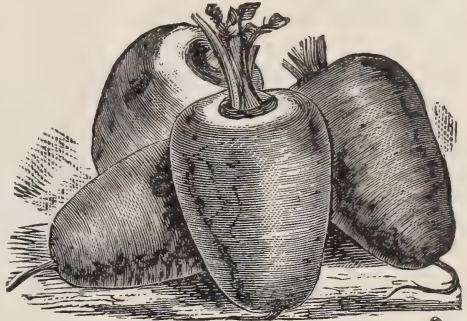
**Celeriac or Turnip-Rooted Celery (Apple Shaped).** An early smooth variety. The roots are shaped like an apple; of good flavor. Per oz 15c, lb \$1.25.



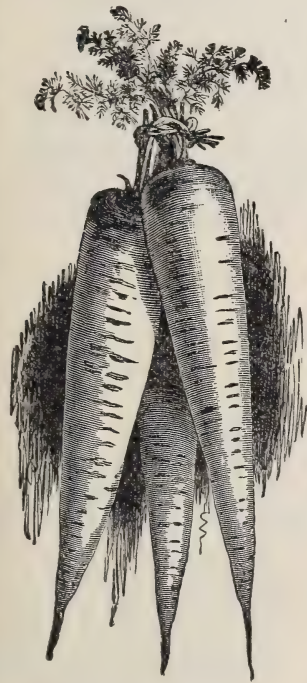
## Carrots

**CULTURE.** May be sown all the year round. Till the soil deeply and manure heavily. Cover seed from one-half to one inch in depth. Sow in drills fifteen inches apart and thin out to four or five inches apart in the rows; two and one half pounds seed will sow an acre, one-half ounce to one hundred feet of drill.

✓ **Guerande or Ox-Heart.** Beautiful shape and color. It is extra fine in quality and very productive. Per oz 10c, lb 75c.



Guerande or Ox Heart.



Long Orange Carrot.

✓ **Early French Forcing.** A small sort, but desirable. on account of its extra early habit. Per oz 10c, lb 75c.

✓ **Danvers.** The roots are smooth and of a rich, dark orange color. One of the best sorts for a main crop. Per oz 10c, lb 60c.

✓ **Chanteney.** Flesh a deep golden orange color. Always smooth and fine in texture, very tender. Per oz 10c, lb 60c.

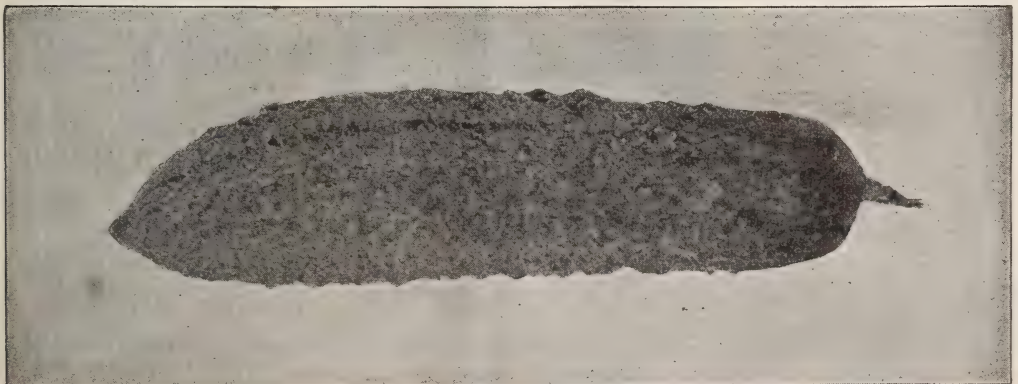
✓ **Improved Long Orange.** A deep orange-colored variety, equally adapted for garden or farm culture. Per oz 10c, lb 50c.

✓ **Large White Belgian.** Is raised exclusively for stock. Grows to a very large size; is easily gathered. Per oz 10c, lb 40c.

✓ **Large Yellow Belgian.** Is similar to the above, but a light orange color; said to be richer. Per oz 10c, lb 40c.

## Cucumber

**CULTURE.** Plant from March to June in hills four to six feet each way, eight or ten seeds in a hill. Cover half an inch deep. When danger of insects is past, thin out the plants leaving three to four of the strongest in each hill. One ounce of seed will plant fifty hills; one pound to the acre.



Cumberland Cucumber.



- ✓ **The Cumberland.** This is a distinct variety highly recommended by the introducer for pickling. We introduced it two years ago, and are now convinced that it is not only a good cucumber for pickling but being tender and crisp is also desirable for slicing. Grows long and straight to a large size, and retains its green color longer than any other variety. Per pkt 5c, oz 10c, lb \$2.00.
- ✓ **Improved Long Green.** Dark green, firm and crisp, 12 to 16 inches long. Most extensive grown. Per oz 30c, lb \$2.00.
- ✓ **Early Frame.** Excellent variety for table use; tender and well-flavored. Keeps green longer than any other variety. Per oz 30c, lb \$2.00.
- ✓ **California Pickling.** Extra early and immensely prolific. Fine form and good color. The best variety for pickling. Per oz 30c, lb \$2.00.
- ✓ **Extra Early White Spine.** Uniformly straight and smooth; very early. One of the best sorts for either pickling or table use. Per oz 30c, lb \$2.00.
- ✓ **Nichol's Medium Green.** The young fruit is symmetrical in shape, deep in color and very crisp. An excellent variety for pickling. Per oz 30c, lb \$2.00.
- ✓ **Giant Pera.** Is remarkably crisp and tender at almost any stage of growth. The seed cavity is very small and seeds so slow to form, that even large cucumbers, 12 to 15 inches in length, are as firm and crisp as the smaller. Per oz 30c, lb \$2.00.
- ✓ **Gherkin.** A small prickly sort grown exclusively for pickling. Per oz 30c.

## Cabbage

We take pleasure in announcing that we are offering a complete line of cabbage including every variety suitable to this climate. Our seed being grown for us by the most reputable seedsman in Europe, *none can be more reliable.*

**CULTURE.** To succeed the first requisite is good seed; in this respect it is more important than most anything else. Rich, well-prepared ground, heavy moist loam is most suitable. Shade the plant bed for a time just after the seed has been sown. Water well. Transplant when from four to six inches high. Sow the seed in drills about six inches apart that the plants will not be crowded and grow slender and weak.

✓ **Early Winnigstadt,**

**Improved Quedlinburg Strain.**

A superb strain of this popular cabbage, and one that has given perfect satisfaction to our market gardeners for the last five years. Sure to head hard and solid. If desired we can give numbers of good references as to great superiority of this seed, which is sold in this city only by ourselves. Per oz 20c lb \$2.00.



Winnigstadt Cabbage

✓ **All Seasons.** An early Drumhead variety, producing heads of good size. In richness of flavor it is unsurpassed. Per oz 15c, lb \$1.50.

✓ **Winnigstadt.** Heads large, conical; leaves are bright grassy green. A sure heading variety, valuable not only for early use, but as a winter cabbage. Per oz 15c, lb \$1.50.

✓ **Early York.** Very early. Small heart-shaped heads. Per oz 15c, lb \$1.50

✓ **Hollander.** The heads of this valuable new sort are of medium size, very solid and deep, averaging 8 pounds of a fine white color, making them entirely distinct from any other strain. Per oz 20c, lb \$2.00.





Premium Late Flat Dutch Cabbage

## Egg Plant

**CULTURE.** Egg Plant seed germinates slowly and should be started in a strong heat. The soil should be one part leaf mold and one part sandy loam. It is important to secure a rapid and continuous growth. Set thirty inches apart, pinch off the larger leaves.

**Improved Large Purple.** This variety has superseded all others both for market and home use. The large size and high quality of its fruit and its extreme productiveness make it the most profitable for the market gardener. It is spineless, which is a great advantage in shipping. Per oz 35c.

**Mammoth Pearl.** A smooth-leaved variety with large egg-shaped, pure white fruit. The flesh is of fine quality. Per oz 40c.



Purple Egg Plant.

## Endive

**CULTURE** Seed may be sown any time during the year. When plants are well started thin out to ten inches apart in the row, or they may be transplanted to fresh rows. When plants have reached a good size, gather the leaves closely together and tie loosely in an upright bunch. This bleaches the inner leaves in about ten days and adds to the crispness as a salad, as it renders the flavor mild and delicate. One ounce will sow 100 feet of row; three pounds will plant one acre of land in rows three feet apart.

**Green Curled.** Leaves very finely cut or lacinated, giving the plant a rich, mossy appearance which is greatly enhanced when the centers are nicely blanched. Per oz 15c, lb \$1.50.

**White Curled.** This is the most beautiful variety and does not need blanching to prepare it for use, the mid-ribs being a pale, golden-yellow, and the finely cut and curled leaves almost white. Per oz 15c, lb \$1.50.

**Broad Leaved Batavian.** This variety has broad, thick, plain or slightly wrinkled leaves, forming a large head and is desirable for stews and soups, but if the outer leaves are gathered and tied at the top, the whole plant will blanch and may be used for salad.  $\frac{1}{4}$  lb 40c, lb \$1.25.

## Early Jersey Wakefield.

A popular first early sort with Eastern gardeners. Does not do so well here as the Winnigstadt. Per oz 15c, lb \$1.50.

## Fottler's Improved

**Drumhead.** The earliest of the large Drumheads. Per oz 15c, lb \$1.50.

## Premium Large Late

**Flat Dutch.** The standard sort for late crop. A hard, sure header. Per oz 15c, lb \$1.50.

## American Drumhead

**Savoy.** The best of all the Savoys. Short stump, large size, solid. Per oz 15c, lb \$1.50.

## Improved Red Drum-

**head.** Heads round in shape, of deep color and remarkably hard and solid. Per oz 15c, lb \$1.50.





Scotch Kale

## Kale

**CULTURE.** Seed should be sown thinly in drills about the middle of June for the tall sorts, transplanting the young plants to rows three feet apart in the field when of sufficient size. Later in the season the dwarf sorts may be sown rather thickly in drills or broadcast to furnish small heads to be cooked like spinach during the winter months. One ounce to 100 feet of drill.

**Dwarf German Kale.** German Greens or Sprouts. (Dwarf Curled Scotch Kale.) The leaves are curly, bright green, very tender, and delicate in flavor. Per oz 10c, lb \$1.00.

**Tall Green Curled Scotch.** This makes a beautiful plant, about two and a half feet tall. Per oz 10c, lb \$1.00.

## Kohl Rabi

**CULTURE.** Plant and treat like cabbage. Seed may be sown from July to following April. An ounce of seed will produce 2000 plants.

**Early White Vienna.** The earliest sort, very tender, excellent for table use. Per oz 15c, lb \$1.50.

**Earl Purple Vienna.** Similar to the above, but has flesh of a purple color. Per oz 15c, lb \$1.50.



Kohl Rabi

## Lettuce

**CULTURE.** May be sown in California all the year round. Sow in open ground in rows, one foot apart and thin out plants to one foot apart in rows; or may be started in seed bed and transplanted. It requires rich, moist soil and clean cultivation. One ounce of seed will sow 125 feet of drill and produce 300 plants.

**California Cream Butter.** (Seed black). This does not make as large a head as some others, but the heads formed are very solid and of excellent flavor, and remain in condition for use as long as any variety in cultivation. Plant medium sized, with very few outer leaves, which are deep green and very thick. The inner ones blanch to a bright yellow and are exceedingly well flavored, crisp and tender. This is certainly one of the best in quality of the summer heading sorts. Per packet 5c, oz 15c, lb 80c.

**Improved Big Boston.** This is a pure and improved strain of Henderson's Big Boston Lettuce, one of the largest and best cabbage-headed varieties ever introduced. It is one of the finest of Lettuces in quality as well as in appearance. The head is full and compact, of a pale green color, slightly tinged with red on the edge of the leaves. Per oz 10c, lb 80c.

**Los Angeles Market.** This is an extremely early variety. It stands hot weather, not running to seed, and forms round solid heads, which are light green outside, and within a beautiful cream-yellow; of a rich buttery flavor. Per oz 10c, lb 80c.

**Improved Hanson.** The most popular variety with market gardeners. In ground well manured and cultivated the heads grow to a remarkable size, resembling that of a flat cabbage, and so slow to run to seed that it often fails to form a seed stalk. Per oz 10c, lb 80c.

**Iceberg.** Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves. Per oz 10c, lb 80c.

**Grand Rapids.** A loose-headed sort, superior to and more beautiful in appearance than the Simpson. It is of rapid upright growth; standing several days after being ready to cut, without injury. Per oz 10c, lb 80c.



✓ **Early Curled Simpson.** One of the best early sorts. The leaves tend to produce a large, loose head, beautifully crimped. Per oz 10c, lb 80c.

✓ **Wonderful Lettuce.** A distinct and superior variety. The introducer says of it: "It is the largest heading lettuce we have ever seen, having been grown to six pounds in weight; the average size, however, with ordinary culture, is from two to three pounds. The heart is very solid, of pale green color, very tender and crisp, and without the slightest trace of the bitterness found in the majority of lettuces." Per oz 10c, lb 80c. (See third page of cover.)

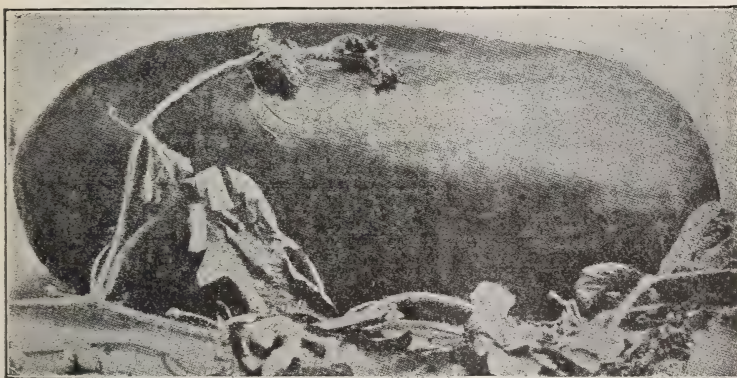
✓ **Early Prize Head.** Forms a mammoth head. Crisp and tender, of superb flavor and very hardy. Per oz 10c, lb 80c.

✓ **Early Tennis Ball.** A first-class variety, and one of the best head lettuces for forcing under glass or early planting outdoors. Plants medium size, having thick, dark green leaves, and when well grown forming very solid heads, the inner leaves being blanched to a rich creamy white, and exceedingly crisp, tender and rich flavored. Out of doors the variety runs up to seed in hot weather quicker than many sorts. If used when in prime condition it is of fine quality. This is also known as Stone Tennis Ball on account of its exceedingly solid head. Per oz 10c, lb 80c.

✓ **Paris White Cos** Upright, crisp and tender Cos Lettuces are becoming deservedly popular, and should receive the attention of all market gardeners. Per oz 10c, lb 80c.

## Water Melons.

**CULTURE.** Plant from March to July in light, sandy loam. Prepare the soil well by deep plowing and thorough harrowing and ridge up slightly. Plant in hills ten feet apart, twelve to twenty feet in a hill to enable the sprouts to force their way to the surface; do not plant more than two inches deep. Make two arches at right angles with wire eighteen inches long. Cover with a piece of cheese cloth  $\frac{1}{4}$  yard square, to be absolutely safe from insects. When the tent is crowded remove. After the plants have become hardened, thin out to three in a hill. This muslin can be secured of us in bolts of fifty to sixty yards, at four cents per yard.



Kleckley's Sweet.

### ✓ Kleckley's Sweet.

It is the finest of all Water melons for home use or near-by market. The vines are strong and vigorous, and the fruits grow uniformly to quite large size; oblong in form, eighteen to twenty inches long and ten to twelve inches in diameter, rather tapering at the ends. The skin is a rich dark green, while the flesh is bright scarlet, ripening close to the skin, the rind being only one-half inch in thickness.

The rich, bright scarlet flesh is crisp, sugary and melting to the highest degree, being entirely free from any stringiness. Per oz 10c, lb 75c.

✓ **Augusta Round White.** The best extra early melon. Three weeks ahead of any other variety. In appearance and good qualities it resembles the Sweetheart and is almost as large in size, averaging 30 lbs. in weight. Its flavor is second to none; the flesh is a deep, rich red color and remarkably solid. Its handsome uniform appearance makes it an ideal market melon, hence it invariably commands a fancy price. Per oz 10c; lb 75c.

✓ **The Santiago Melon.** This is a new variety, having many of the good qualities of the well known Chilean and like it is an introduction from South America. It is a large, long, heavy melon; rind dark green with stripes of black. The flesh is deepest red and solid throughout, the edible portion extending to within half an inch of the skin. The rind is very hard and it makes a good shipper. The seeds are small and vary in color. Per oz 15c, lb \$1.50.

✓ Chilean Melon



**Yellow-Fleshed Ice Cream Watermelon.** This melon is already well known in the Los Angeles market where its popularity is so great that the supply has never equalled the demand. It resembles no other yellow-fleshed melon, either in quality or appearance. It grows to a very large size, is long in shape and the rind an even dark green. In quality it is simply delicious, sugary and of a rich flavor peculiar to itself. Entirely void of all fibrous substances, the sweet flesh truly melts in the mouth like so much ice cream. Per. oz 20c, lb \$2.00.

**Cuban Queen.** A large, solid variety; rind strong, heavy cropper, flesh bright-red, tender and melting. Per cz 10c; lb 60c.

**Seminole.** Extra early, large, fine flavor, color grayish-green. Per oz 10c, lb 60c.

**Ice Cream or Peerless.** Unequalled in good qualities. Solid, always in good flavor. Per oz 10c, lb 60c.

**Georgia Rattlesnake.** Largest of watermelons; popular market sort. Per oz 10c, lb 50c.

**Kolb's Gem.** Attractive; excellent keeper; large, productive. Per oz 10c, lb 50c.

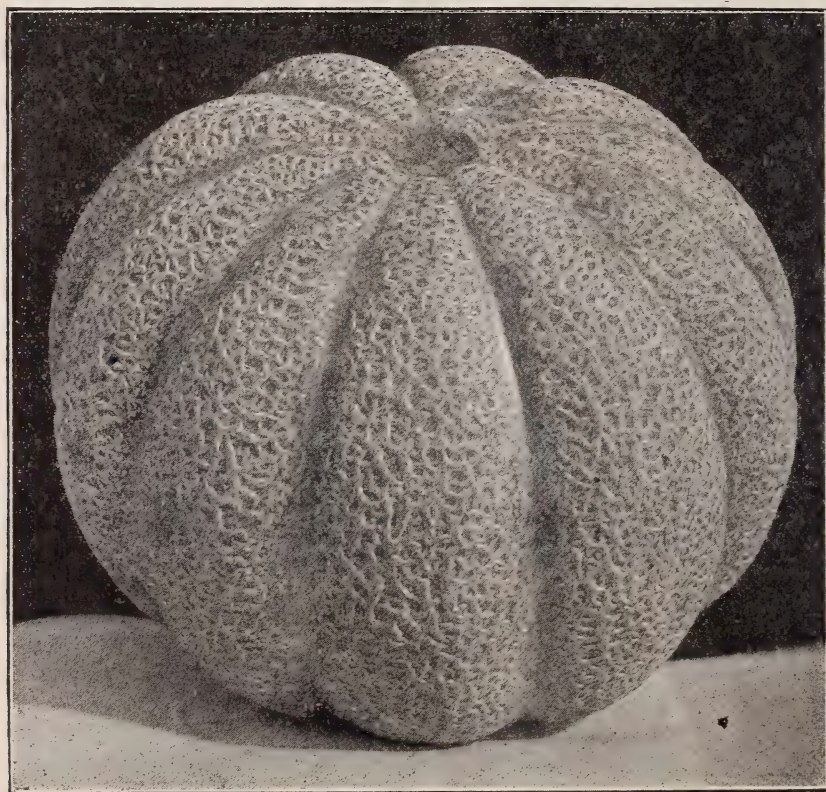
**Early Fordhook.** One of the largest of the extra early varieties. Shape nearly round; color a medium shade of green. Good quality. Per oz 10c, lb 75.

**Phinney's Early.** Good extra early, of medium size. Per oz 10c, lb 60c.

**Dark Icing.** One of the most delicious sorts, very early. Per oz 10c, lb 60c.

**Light Icing.** Similar to the above, but the skin is light in color, also said to be a few days earlier. Per oz 10c, lb 60c.

**Florida Favorite.** Oblong, large size, flesh light crimson, fine quality. Per oz 10c, lb 60c.



California Beauty Muskmelon.

## Musk Melons.

**CULTURE.** Same as water melons, except plant in hills, seven to eight feet apart; keep clear a path every other row to avoid stepping on the vines when gathering. You will have less culls and your vines will hold out much longer.



✓ **California Beauty.** This grand extra early muskmelon was introduced by us in 1898, but not until last season did it become the leading variety in the Los Angeles market. Our fruit dealers prefer it to any other sort, as its appearance sells it on sight and its delicious flavor never disappoints the most fastidious customer. It is the largest extra early sort; skin, a beautiful russet green in color; flesh deep in color. It is very regularly ribbed and deeply netted. Per packet 5c, oz 15c, lb \$1.50.

✓ **The Columbus.** A green-fleshed melon for general crop, and is a heavy yielder. The vines are strong and thrifty; melons, if left on the vine a week after they are ready to pick, still retain their good quality. It is strikingly distinct in shape and color; is an excellent long keeper. Its beautiful buff skin is covered with a very thick whitish netting. Almost entirely free from ribs. The flesh is solid and thick, even at the blossom end, leaving only a small seed cavity; can be safely shipped long distances. Its attractive appearance insures ready sales in any market. Per oz 15c, lb \$1.50.

✓ **Paul Rose.** A very heavy cropper, ripening an enormous number of fruits. The flesh is salmon-colored, very deep, and of fine melting character, with thin rind and small seed cavity. It is growing more popular each year. Per oz 5c, lb \$1.00.



✓ Extra Early Hackensack.

✓ **Extra Early Hackensack.** Round, well netted, and of large size; flesh green and thick; delicious flavor; beautiful in appearance. Per oz 10c, lb \$1.50.

✓ **Large Hackensack.** Sometimes called Turk's Cap. A large, round melon, flattened at the ends, and well ribbed. The skin is deeply netted. The flesh is green, of delicious flavor. The vine is a strong grower, and is very productive. An old standard melon, in favor with market gardeners. Per oz 10c, lb \$1.50.

✓ **Montreal Market.** Large size and delicious flavor. Often grows to a weight of twenty to twenty-five pounds. One of the best market sorts and a good shipper. Per oz 10c, lb \$1.50.

✓ **Rocky Ford.** Seed grown for us specially at Rocky Ford. It is a small, early melon, weighing  $1\frac{1}{4}$  to  $1\frac{1}{2}$  lbs. The flesh is deep and thick, and light green in color, except next the seeds, where it inclines toward yellow. The flavor is exceedingly fine. The skin is green, regularly ribbed and thickly netted. It is a firm, solid melon and will carry in perfect condition for a week or more after its removal from the vine. It is a heavy cropper, and is in wide favor as a market melon. Per oz 10c, lb \$1.00.

✓ **Winter Pineapple or Cassaba.** Introduced into California from Cassaba, Asia Minor. Its peculiar shape and corrugated skin is quite accurately shown in the cut. Rind very thin, of a rich yellow color tinged with green. Flesh firm, light green in color; delicious pineapple flavor. A wonderfully long keeper. Melons seldom ripen on the vine, but should be carefully picked off after first frost and stored like squashes in a dry cool place. Bring into a warm room for a few days previous to using. If carefully handled they may be kept late in the winter. Many specimens weigh from 15 to 16 pounds. Per oz 15c, lb \$1.50.



Winter Pineapple.

✓ **Large Green Nutmeg.** A favorite for market gardeners. Per oz 10c, lb \$1.50.

✓ **Cassaba Improved Summer Variety.** Per oz 25c, lb \$3.00. A local production.

✓ **Champion Market.** Highly prized as an early shipper. Per oz 10c, lb \$1.25.

✓ **Peach Melon or Mango.** Per lb 75c.



## LEEK.

**CULTURE.** The leek is considered by many superior to the onion as a flavoring for soups, stews, etc. Treat same as onions. An ounce will sow 100 feet of drill.

✓ **Large Carentan.** The largest and best variety. Large, broad leaves; flavor very mild and pleasant. Per oz 15c, lb \$1.50.

## Onions.



Earliest White Queen, or Extra Early Barletta.

**CULTURE.** Sow thinly 4 or 5 pounds to the acre in drills 1 foot apart and  $\frac{1}{4}$  inch deep, in strong land, well manured; thin out the stand 3 or 4 inches apart in the drills, keeping them well hoed and free from weeds. Onions delight in rich, deep, loamy soil, and succeed well if grown continuously years on the same ground. An ounce will sow 100 feet of drill.

- ✓ **Southport Red Globe.** Rich deep red in color. Per oz 15c, lb \$1.25.
- ✓ **Southport White Globe.** A large white globe variety. Per oz 20c, lb \$1.50.
- ✓ **Southport Yellow Globe.** Similar to above, but straw-yellow in color. Per oz 15c, lb \$1.25.
- ✓ **Yellow Globe Danvers.** Extensively grown as a main crop. A beautiful golden color, quite early, neck small, very prolific, and a good shipper and keeper. Per oz 10c, lb \$1.00.
- ✓ **Yellow Flat Danvers.** A splendid onion for either market or home use. Similar to above. Per oz 10c, lb \$1.00.
- ✓ **Prizetaker.** A beautiful variety, very large size, often weighing from 3 to 4 pounds each. The outside skin is of a rich yellow color, while the flesh is white and very mild and sweet. Per oz 15c, lb \$1.50.



✓ **Australian Brown.** This variety, recently introduced into the United States from Australia has met with instantaneous success. No onion equals it as a keeper, and in earliness it outranks anything except the white sorts. Beautiful in shape, a deep brown in color, and of finest flavor. Per oz  $\frac{1}{2}$  10c, lb \$1.00.

✓ **Earliest White Queen or Extra Early Barletta.** The earliest onion in cultivation. They are of a fine white color, very mild and delicate in flavor. Grow to a large size in California frequently 4 inches and over in diameter. Our most popular market onion.  $\frac{1}{2}$  Per oz 25c, lb \$1.75.

✓ **Bloomsdale Early Pearl.** A large extra early, flat, white onion, very mild. Per oz 25c, lb \$1.75.

✓ **White Silver Skin.** Ripens early. A good keeper Per oz 20c, lb \$1.50.

✓ **Large Red Wethersfield.** Large size and fine form. Skin deep red. An old standard sort, very productive, an excellent keeper. One of the best for main crop. Per oz 10c, lb \$1.00.



Australian Brown Onion.

✓ **Extra Early Red.** Matures very early, yields abundantly, and is of mild flavor. Per oz 10c, per lb \$1.00.

## Onion Sets.

We are headquarters for the finest sets that are grown anywhere in the world.

**Australian Brown, Yellow Danver, White Pearl.** Per lb 15c, 100 lbs \$10.

## Peas.

**Culture.** May be sown in California the year round. Peas mature earliest in light, rich soil, but for general crop a moderately heavy soil is best. Sow in rows from  $2\frac{1}{2}$  to 3 feet apart, according to the variety. Two pounds of seed will sow 100 feet of drill, 50 to 60 pounds to the acre. In the following list will be found only those varieties which are desirable in this section. When ordered by mail add 10c. per pound for postage.

✓ **Gradus, or Prosperity.** This is the earliest Large Podded Pea in cultivation, while the peas are of most superior quality, both in size and delicious flavor. It is superior to such standard sorts as the Yorkshire Hero. It has been demonstrated conclusively that this variety requires a richer soil and more water than other varieties to secure best results. Crop short. Per lb 20c.

✓ **Wiltfong.** See picture on last cover page. This is the pride of Cahuenga Valley, where it has been grown for several years. We secured our seed stock from the originator. This pea will supersede the well-known Yorkshire Hero wherever introduced. Its winning peculiarity is the height, 15 inches; extremely branching, very prolific and excellent flavor. We have only a limited quantity of seed this season. We desire that every market gardener secure at least ten pounds and we have therefore put the price to about the cost of production. 1 lb 20c, 10 lbs \$1.50.





American Wonder Pea.

✓ **American Wonder.** The earliest of all wrinkled Peas. Of dwarf habit, growing from 9 to 12 inches high, and producing a profusion of good-sized and well-filled pods of the finest flavor. Per lb 15c, 100 lbs \$9.00.

✓ **Premium Gem.** Is a very desirable, extra early, dwarf wrinkled variety, growing about 15 inches high. Very large, sweet and of delicious flavor. Per lb 15c, 100 lbs \$9.00.

✓ **Nott's Excelsior.** Although a few days later than the American Wonder the pods will average fully one-third larger, containing 6 to 8 large peas so closely packed together that they become flattened. Per lb 15c, 100 lbs \$9.00.

✓ **Stratagem.** A green, wrinkled marrow, producing numerous pods of large-sized peas of excellent flavor. Height 2½ feet. Per lb 15c, 100 lbs \$9.00.

✓ **Yorkshire Hero.** The most popular market pea in this section. Abundant cropper and excellent in quality. Height 2½ feet. Per lb 10c, 100 lbs \$7.00.

✓ **Telephone.** A fine, tall variety, immensely productive. Height 4 feet. Per lb 15c, 100 lbs \$9.00.

✓ **Everbearing.** A splendid late variety. In quality unexcelled. Height 2 feet. Per lb 15c, 100 lbs \$9.00.

✓ **Dwarf Gray or Sugar.** (Edible pods). Of extraordinary yielding qualities, and unsurpassed as an edible podded variety. Height 2 feet. Per lb 15c, 100 lbs \$10.00.

For Field Peas see List of Farm Seeds.

## Pepper.

**CULTURE.** Seed may be sown from January to August in frames. When the weather is favorable, transplant in the open ground in warm mellow soil, in rows eighteen inches apart and twelve inches apart in the rows. One ounce of seed will produce 1500 plants.

✓ **Mammoth Ruby King.** Of immense size and the mildest of all varieties. Ordinarily they grow from 4 to 6 inches long by 3 to 4 inches thick. Plant is of sturdy, bushy habit and each one produces from 6 to 12 handsome fruits. Per oz 25c, lb \$2.25.

✓ **Large Bell, or Bull Nose.** A very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts, and one of the earliest. Per oz 25c, lb \$2.25.

✓ **Sweet Spanish.** One of the largest and earliest varieties; flesh is mild and sweet. Per oz 25c, lb \$2.25.

✓ **Cayenne.** A long, slim pod, rather pointed, and when ripe a bright red color. Extremely strong and pungent. Per oz 25c, lb \$2.25.

✓ **Golden Dawn.** A productive and handsome yellow variety. Very mild in flavor. Per oz 25c, lb \$2.25.

✓ **Creole, or Bird's Eye.** A distinct variety, fruit very small, round and very hot. Per oz 25c, lb \$2.50.



Mammoth Ruby King.



✓ **Procopp's Giant.** One of the largest Peppers grown, the pods measuring 6 to 8 inches long and about 2 inches thick. Of a glossy scarlet color, flavor mild and sweet. Per oz 25c, lb \$2 50.

✓ **Large Mexican Chili.** A long, large sort used almost exclusively here for drying. Very pungent. Per oz 15c, lb \$1.50.

## Parsnip.

**CULTURE.** Sow from September to following May in drills 15 inches apart, covering  $\frac{1}{2}$  inch deep; when well up thin out to five or six inches in the rows. The seed is slow to germinate, hence should be sown as early as possible. Cultivate frequently. One ounce to two hundred feet of row, five pounds to the acre.

✓ **Sugar, or Hollow Crown.** The best for table use. Per oz 10c, lb 50c.

✓ **Devonshire.** Roots comparatively short, white and smooth. Per oz 10c, lb 50c.

✓ **Short Round French.** Handsome shape and splendid flavor; earlier than the longer forms, and especially adapted for shallow soils. Per oz 10c, lb 70c.



Tennessee Sweet Potato.

## Pumpkin.

**CULTURE.** Plant from April to July in hills 8 feet apart each way. Pumpkins are not so particular in regard to soil as melons, but in other respects are cultivated in a similar manner, though on a larger scale. One ounce for 15 hills, 1 pound to an acre.



Large Cheese.

✓ **Cashaw or Crookneck.** Productive, color light cream. A good keeper; fine and sweet in flavor. Per oz 10c, lb 75c.

✓ **Tennessee Sweet Potato.** Of medium size; creamy white, with light green stripes; flesh thick, fine grained, dry, brittle, and of excellent flavor. Unsurpassed for pies and custards. Per oz 10c, lb 75c.

✓ **Sugar.** A small handsome variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Per oz 10c, lb 75c.

✓ **Large Cheese.** Size very large; hardy and productive. Of fine grain and excellent flavor. Per oz 10c, lb 75c.

✓ **Mammoth Tours.** We secured the original seed stock from France three years ago. Its prolific propensity makes it a favorite wherever introduced. We have only a limited quantity of seed. Do not fail to try it. Per lb 25c.

✓ **Japanese Pie Pumpkin.** Similar to the Cashaw in shape. None better for pies. Per oz 10c, lb \$1.00.

✓ **Sweet Field.** A small bluish-green variety, good for stock. Per lb 25c.



✓ **California Field.** A very large stock pumpkin, frequently weighing 200 pounds and over. Per lb 15c. If by mail 10c per lb additional.

## Rhubarb or Pie Plant.

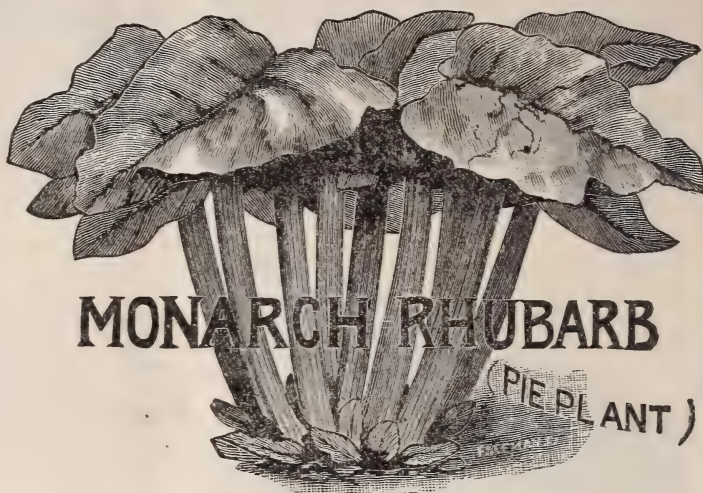
**CULTURE.** Sow the seed early in spring in drills, one foot apart, thinning out the young plants to four inches. Cultivate well, and in the following spring transplant into deep rich soil from three to four feet apart. For immediate use, order the roots which come into use at once. One ounce of seed will make 500 plants.

✓ **Linnaeus.** Early, large and tender. Per oz 15c, lb \$1.50.

✓ **Victoria.** Later than the above, very large and fine. Per oz 15c, lb \$1.50.

✓ **Monarch.** The largest and one of the best. Per oz 20c, lb \$1.50.

✓ **Rhubarb Roots.** Fine, large roots. Each 10c, per dozen \$1.00.



## Radish.

**CULTURE.** Seed may be sown the year round in California. Radishes thrive best in a light sandy loam, made rich by some good manure. Sow in drills 10 to 12 inches apart. An ounce of seed will sow 100 feet of drill; 10 pounds to the acre.



Early Scarlet Globe.

✓ **Early Scarlet Globe.** One of the earliest and best sorts for forcing; its color is very handsome; flavor very mild; crisp and juicy; stands a great amount of heat without becoming pithy. Per oz 10c, lb 50c.

✓ **Early Scarlet Turnip.** A small round red radish of very quick growth. Per oz 10c, lb 50c.

✓ **Round Black Spanish.** Skin black; flesh white and of firm texture. Per oz 10c, lb 60c.

✓ **French Breakfast.** A splendid variety, medium sized, olive shape; very crisp and tender; of a beautiful scarlet color. Per oz 10c, lb 50c.

✓ **White Tipped Scarlet Turnip.** An early variety of medium size and excellent flavor, and of a very handsome appearance. Per oz 10c, lb 50c.

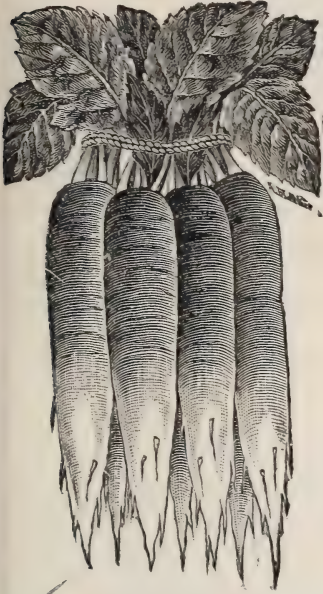
✓ **Chartier.** A distinct, exceedingly handsome and attractive sort; color of top is scarlet rose, shading into pure waxy white at the tip. Attains a large size before it becomes unfit for the table. Per oz 10c, lb 50c.

✓ **Early Long Scarlet.** Very brittle and crisp; color bright scarlet; small top. Per oz 10c, lb 50c.

✓ **Scarlet Olive Shaped.** Quite early; very crisp. Per oz 10c, lb 60c.



✓ **New Triumph.** A beautiful and odd radish, originating in Holland. The radishes are globe-shaped, and are strikingly handsome, having bright scarlet stripes horizontally on a white ground. Per oz 10c, lb 50c.

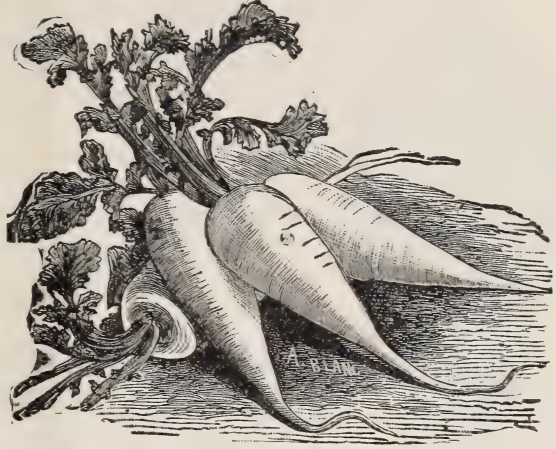


Chartier.

✓ **China Rose Winter.** Excellent quality; good keeper. Per oz 10c, lb 60c.

✓ **Early White Globe.** Grows quickly; skin very white; flesh white and crisp, Per oz 10c, lb 50c.

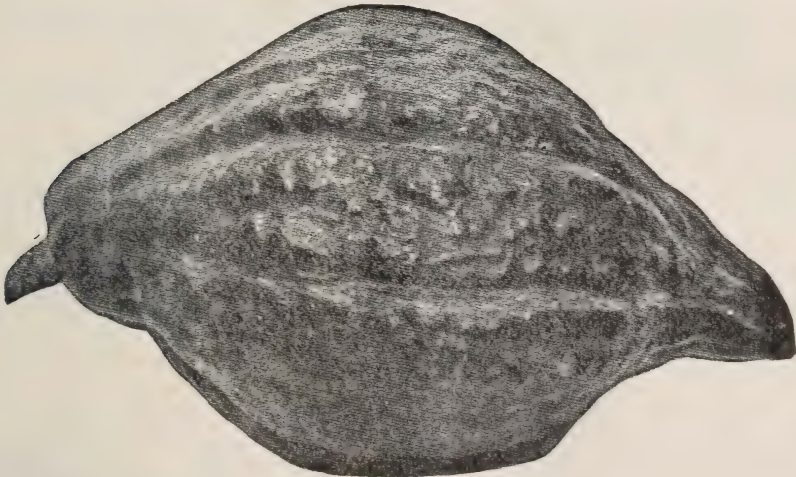
✓ **California Mammoth.** Pure white; flesh tender, crisp and keeps well. Per oz 10c, lb 50c.



Early White Vienna.

✓ **White Strasburg.** Grows quickly; retains its crispness a long time; skin and flesh pure white, firm and brittle and of excellent quality. Per oz 10c, lb 60c.

✓ **Long White Vienna or Lady Finger.** The finest long white radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower. Per oz 10c, lb 60c.



Golden Hubbard Squash.

## Squash.

**CULTURE.** Seed should not be planted in spring until all danger of frost is past. Plant in hills 5 feet apart for bush varieties and 6 to 8 feet apart for running sorts, putting 6 and 8 seeds to the hill, finally leaving but 3 plants. One ounce of the bush varieties for 40 hills, or of the larger seeded varieties 15 hills; 2 to 3 pounds to the acre.

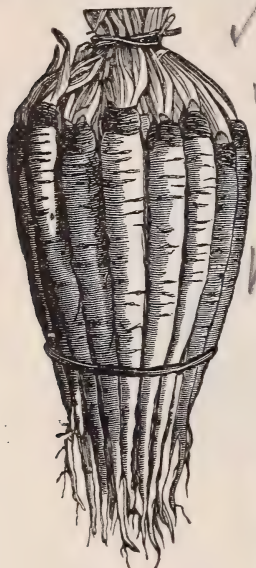


**Golden Hubbard.** The flesh is a deep golden-yellow—a much richer color than the Hubbard—fine grained, cooks very dry, and is of excellent flavor. In its keeping qualities it is fully equal to, while in productiveness it excels, the old variety. Per oz 15c, lb 75c.

**Hubbard.** The standard winter squash. Keeps perfectly. Rich in flavor. Per oz 10c, lb 75c.

**Pike's Peak, or Sibley.** An excellent long-keeping winter squash. Fine grained and superior in quality. Per oz 10c, lb 50c.

**Boston Marrow.** Bright orange color, flesh rich salmon; for sweetness and excellence unsurpassed. Per oz 10c, lb 75c.



Salsify.

**White Bush Scallop.** The well-known summer squash, very productive, pure white. Per oz 10c, lb 60c.

**Mammoth White Scallop.** An improved large variety of the above. Per oz 10c, lb 60c.

**Golden Bush Scallop.** Similar to the above, but a golden-yellow color. Per oz 10c, lb 60c.

**Golden Summer Crookneck.** The popular, well-known Crookneck. Per oz 10c, lb 60c.



White Bush.

## Salsify—Vegetable Oyster.

**CULTURE.** Sow the seed early in the spring in drills one foot apart and one inch deep, thinning out plants to four inches. It succeeds best in light, well-enriched soil. One ounce of seed for 50 feet of drill.

**Long White.** Favored market variety and the best flavored. Per oz 10c, lb \$1.00.

**Sandwich Island Mammoth.** A larger and superior variety. Mild and delicately flavored. Per oz 10c, lb \$1.25.

## Spinach.

**CULTURE.** Sow in drills one foot apart, and for succession every two weeks; as it grows, thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for one hundred feet of drill; 10 lbs for an acre.

**Prickly Seeded.** The hardiest of all and the most popular with our market gardeners. Per oz 10c, per lb 35c.

**Round Summer.** Leaves large, thick and fleshy. Per oz 10c, lb 35c.

**Improved Thick Leaf, or Viroflay.** Has very large, thick leaves of good substance. Per oz 10c, lb 35c.

**Bloomsdale Savoy-Leaved.** The earliest variety of upright growth; fine, large, tender, crinkled leaves. Grows quick, but will not stand long. Per oz 10c, lb 35c.

**Long Standing.** A good sort for the market garden, as it is much slower in going to seed than the other varieties. Per oz 10c, lb 35c.

## Turnip.

**CULTURE.** Plant for succession all the year in drills fourteen inches apart and thin out plants to six inches. Turnips thrive best in a highly enriched, sandy, gravelly, or light loamy soil. One ounce to 150 feet of drill; 1½ pounds to the acre.

**Early Purple Top Strap-Leaved.** The most popular variety in this section for either family or market use; large size; white, purple above ground; flesh fine grained. Per oz 10c, lb 50c.

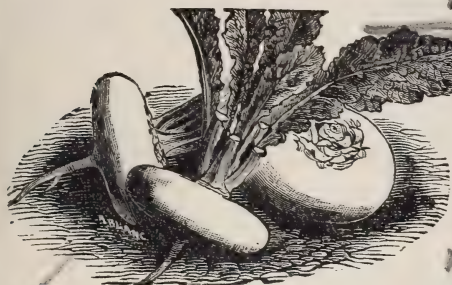
**Early White Flat Dutch.** An early, white-fleshed, strap-leaved variety; of quick growth, mild flavor and excellent quality. Per oz 10c, lb 50c.



Purple Top Strap-Leaf Turnip.



**Early White Globe.** A large, round turnip, with firm, sweet flesh. Per oz 10c, lb 50c.



Early Flat Dutch.

**White Egg.** Flesh white, firm, fine grained, mild and sweet. Per oz 10, lb 60c.

**Early White Milan.** A new, early, very white variety, with purple top and strap leaf; mild and sweet. Remains in good condition for a long time. Per oz 10c, lb 70c.

**Amber Globe.** One of the best for general crop; grows to a large size; excellent for the table or stock. Per oz 10c, lb 50c.

**Golden Ball or Orange Jelly.** A rapid grower of excellent flavor; bright yellow color; good keeper and a superior table variety or for stock. Per oz 10c, lb 50c.

**Improved Purple-Top Ruta Baga.** The best of the Swede Turnips. Very hardy and productive; flesh yellow, of solid texture, sweet and well-flavored. Per oz 10c, lb 40c.

## Tomato.

**CULTURE.** Tomatoes do best on light, warm, not over rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hot-beds from six to eight weeks before they can be set out of doors, which is when danger from frost is past; when the plants have four leaves transplant into shallow boxes or cold frames, setting them four or five inches apart; give plenty of air and endeavor to secure a vigorous, but steady and healthy growth, so that at the time of setting in the open ground they will be strong and stocky. Even a slight check while the plants are small will materially diminish their productiveness. Set out of doors as soon as danger from frost is over, but before doing so harden off the plants by gradually exposing them to the night air and by the withdrawal of water until the wood becomes hard and the leaves thick and of a dark green color. Transplant carefully and cultivate well as long as the vines will permit. The fruit is improved in quality if the vines are tied to a trellis or to stakes.

**New Stone.** Excellent for main crop, for market or canning. The fruit is smooth and very large, many of them weighing over a pound. Solid and firm, stands shipping well, and is very attractive in appearance. Per oz 25c, lb \$2.50.

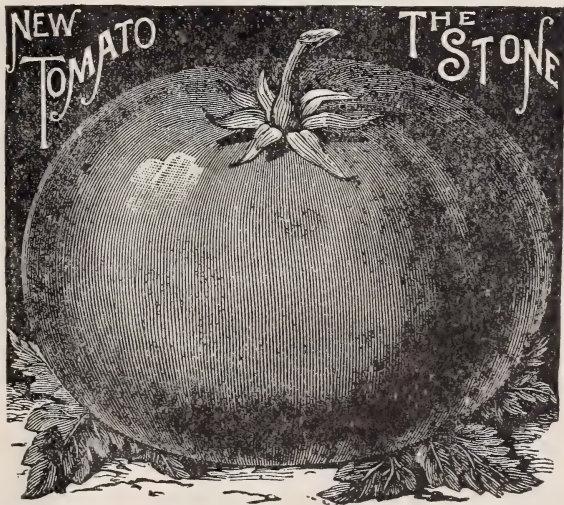
**Buckeye State.** Deep, glossy crimson, tinged with purple. Remarkably solid and meaty, while in luscious qualities it has no rival. Per oz 25c, lb \$2.50.

**Extra Early Richmond.** An extremely hardy sort and much used here for winter market. Per oz 30c, lb \$3.50.

**Atlantic Prize.** The largest, smoothest and brightest colored extra early tomato. Vine small, with few leaves, very hardy, bearing the fruit low down on the stem and in enormous clusters, which ripen all together. Those whose trade demands that they have a large, smooth, good flavored, very early fruit will find this variety to be just what they want. Per oz 25c, lb \$2.50.

**Ignotum.** Large, uniform, smooth and solid, deep red in color. Per oz 20c, lb \$2.00.

**Royal Red.** Brilliant red in color, a fine sort. Per oz 20c, lb \$2.00.



*Monteville Tomato*  
*Spark's Cadian Tomato*



✓ **Acme.** A celebrated and very productive purple or pink-purple tomato. The form is round and the skin very smooth. It is of delicious flavor, and has long been a standard purple sort. The size is medium to large and the flesh is firm and solid. It comes into bearing early and produces fruit until the vine is killed by frost. Desirable for market gardeners. Per oz 20c, lb \$2.00

✓ **Ponderosa, or No. 400.** This variety is a monster of the tomato family, the tomatoes often weighing two to three pounds each; of a rich, bright crimson color, and all solid meat, exceptionally free from seeds; extremely delicious in flavor, whether used raw or cooked; a single tomato is enough for a meal. Very desirable for family or market purposes. Per oz 40c, lb \$4.00.

✓ **Perfection.** Fruit large, color deep red, almost round in shape, perfectly smooth and very solid; very productive. Per oz 20c, lb \$2.00.

✓ **Trophy.** Large, smooth, fine in color and very prolific. Per oz 20c, lb \$2.00.

✓ **Paragon.** A superb variety; large, solid, smooth and deep red. Per oz 20c, lb \$2.00.

✓ **Ten-Ton.** A superb variety for canning or table. Unsurpassed in good qualities. Per oz 25c, lb \$2.50.

✓ **Beauty.** An excellent variety of large size and beautiful appearance; color gloss crimson. Per oz 20c, lb \$2.00.

✓ **Peach.** Of delicate flavor and very attractive. The fruit is two inches in diameter. An excellent preserving sort, Per oz, 20c, lb \$2.00.

✓ **Golden Queen.** A fine, golden-yellow sort; solid and smooth. Per oz 25c, lb \$2.50.

✓ **Yellow Pear-Shaped.** Per oz 25c, lb \$2.50.

## Herbs.

### Aromatic, Medicinal and Pot, Per Packet, 5c.

**Anise.** A well-known annual herb whose seeds are used for dyspepsia and colic and as a corrective of griping and unpleasant medicines.

**Balm.** A hardy perennial having an aromatic taste; the leaves are used for various medicinal purposes.

**Basil, Sweet.** The seeds and tops are used for flavoring soups and sauces, and have a flavor of cloves.

**Borage.** Used as a pot herb; the young shoots are also boiled and used like spinach. Sow in light, dry soil, early in the spring, in drills about one foot apart, and thin out the plants to eight inches apart.

**Caraway.** The seeds of this plant are much used in confectionery, cakes, etc. Sow in spring or autumn and thin to one foot apart.

**Catmint, or Catnip.** A hardy perennial plant, the leaves of which are valuable as a mild nervine for infants. Sow the seed in spring or fall and give plants a foot of room.

**Coriander.** Raised mostly for its seeds, which have an aromatic taste, and are used in confectionery, and sometimes to disguise the taste of medicine.

**Dill.** An annual, cultivated for its seed, which has an aromatic odor and a warm, pungent taste. It is sometimes added to pickled cucumbers to heighten the flavor.

**Horehound.** A well-known medicinal plant, which enters largely into the composition of cough syrups and lozenges.

**Fennel, Sweet.** A hardy perennial plant, the seeds of which are used for flavoring, and also for medicinal purposes.

**Hyssop.** A medicinal plant. having a warm, pungent taste; the flowers are used for asthma and catarrh.

**Lavender.** Cultivated for its fragrant flowers, which are used for the distillation of lavender water, or are dried and used to perfume linen. Sow in drills two feet apart, and thin the plants to two feet in the row.

**Marjoram, Sweet.** Used in soups, broths, dressings, etc. Sow in drills as early as possible and thin the plants to ten inches apart.



**Rue.** A hardy, perennial plant, the leaves of which have an unpleasant smell and a bitter, pungent taste; they are so acrid as to blister the skin.

**Rosemary.** A hardy, perennial sub-shrub, having a bitter taste and used for various medicinal purposes.

**Saffron.** Cultivated for its flowers, which are used in dyeing, and to make the cosmetic powder called rouge.

**Sage.** A perennial plant, perhaps more widely known than any of the other herbs for its medicinal and culinary uses. Sow early in spring, in drills 16 inches apart.

**Summer Savory.** A hardy annual, the dried stems, leaves and flowers of which are extensively used for flavoring, particularly in dressings and soups.

**Tansy.** A hardy, perennial plant, possessing the medicinal properties common to bitter herbs. Sow broadcast or in drills one foot apart.

**Thyme.** A perennial herb largely used for culinary purposes and sometimes medicinally. Sow either broadcast or in drills six inches apart.

**Wormwood.** A perennial plant, the leaves of which have an intensely bitter taste and are used only for medicinal purposes.

## Tobacco.

It has been demonstrated that tobacco can be successfully grown but not satisfactorily cured in this climate.

**CULTURE.** Sow the seed in plant bed in March. Transplant when five or six leaves appear. Set in rows  $3\frac{1}{2}$  feet apart, 18 to 30 inches apart in the row, according to variety. When the bud appears, break off the top, leaving 16 leaves to mature. Keep off all suckers growing from the stem. When the leaves have become waxy and brittle it is ripe. Cut and hang the stalk in a shed to dry.

**Acclimated Havana.** The best variety for cigar fillers. Per oz 25c, lb \$3.00.

**Glessner.** The best variety for cigar wrappers. Per oz 50c, lb \$5.00.

## Okra.

This is an annual from the West Indies, cultivated for its young seed pods which are used in soups, or stewed or served like asparagus. It is highly esteemed in the South for making gunibo soup. The pods when young and tender may be sliced in sections and strung on a thread and hung up in the shade to cure like dried apples; in this condition they can be used for soup at any time.

**CULTURE.** Plant in hills about four feet apart, putting six to eight seeds in a hill, and after the plants are well started, cut out all but two. The dwarf sorts can be planted much closer in hills two to three feet apart or in drills two feet apart, thinning the plants to about one foot apart in the row. Gather the pods when quite green, and about an inch and a half long.

**White Velvet.** This variety is a great improvement on the old White or the Green. The plant is of medium height, bearing a large crop of white, smooth, tender pods which retain their tenderness until nearly full size. Per lb 50c

**Dwarf White.** The longest podded variety; two feet high and very productive. Mature pods a foot long, very thick and fleshy. Per lb 50c.

## Rosselle.

**The Lemonade Plant of Queensland.** Is an annual plant that has been sufficiently tested to indicate its great food value, and to warrant more extended cultivation. The fruit resembles the scarlet podded okra and is used for making jelly and jam. The jelly is superior to guava or currant, and is labeled as "Queensland Jelly;" is shipped from Australia to all parts of Europe. It is easily grown from seed, grows rapidly, resists drought and is very ornamental. It costs less to raise than any other fruit, and it requires no cleaning or picking over after gathering; the pickers cannot eat it and the birds will not touch it. Per pkt 5c, oz 10c, lb \$1.00.

**Mustard, White.** Per lb 20c. **Southern Curled.** Best for salads. Per oz 10c, lb 50c.

**Cotton, Upland.** Per lb 25c.



## Potatoes.

We exercise the greatest care in selecting Seed Potatoes and offer only finely-matured, Northern-grown stock. Sow 600 lbs. to the acre. Potatoes thrive best on a good friable loam, and do fairly well in light, sandy soils. They will not thrive in wet, heavy soils, nor do they take kindly to irrigation.

**Crumb's White Rose Potato.** (See Page 9.) Although the White Rose has been favorably known here for several years, there has been no reliable source of supply. Mr. Crumb has, by scientific cultivation, brought this variety to such a state of perfection that he is safe in asserting it will produce more than any other variety in the same quality of soil. The cut on page 9 was made from a typical specimen, not the largest one.



Triumph.

**Triumph.** Sometimes called the "Six Weeks" Potato. This beautiful variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose; is much more productive and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Its great beauty, productiveness and fine quality make it one of the best extra early market varieties, especially for the South. This potato has become so popular since we introduced it five years ago, that it is with difficulty we can secure enough for seed. It commands a higher price for table use than other varieties. Per 100 lbs \$2.50.

**Early Ohio.** One of the most productive of extra early sorts. The tubers grow compact in the hill, are easily dug, very few small ones. Per lb 5c, 6 lbs 25c, 100 lbs \$2.50.

**Early Rose.** The standard extra early variety. Price mailed on application.

**Burbank.** The best potato for main crop. Price on application.

## Sweet Potatoes.

The following prices on Seed Sweet Potatoes are subject to market changes, and in ordering in quantity it is advisable to write for prices:

**Yellow Jersey or Nansemond.** A fine old variety. 8 lbs 25c, 100 lbs \$2.50.

**Red Jersey or Nansemond.** A smooth potato, with yellow meat. 8 lbs for 25c, 100 lbs \$2.50.

**Large White.** The largest variety. 8 lbs 25c, 100 lbs \$2 50.

**Sweet Potato Plants.** Ready about April 1st. Any of the above varieties, per 100 plants 50c, 1000 plants \$4.00. Write for special quotation on large lots.



## J. & M. Reliable Farm and Field Seeds.

The prices on field seeds are subject to market fluctuations, hence the quotations here given are intended as being suggestive rather than final.

Our customers can depend on receiving the lowest prices at all times, but it would be well to write for special quotations on large orders.

We would also advise against comparing printed prices on grain, corn, etc., intended for stock feed and the market, with those of our selected seed stock. As a matter of fact the latter is always the cheaper in the end.

### Field Corn—Eastern Grown.



✓ **King of the Earliest, 85 Days.** The earliest Dent variety. Ears short, 12 to 16 rows, well filled. Grain long and yellow, making an extra quality meal. Per lb 5c, 100 lbs \$3.50

✓ **Improved Leaming, 90 Days.** Ears are large and handsome, with deep, large grains; orange yellow color and red cob. Per lb 5c, 100 lbs \$3.00.

✓ **Pride of the North, 90 Days.** One of the best sorts; ears have from 14 to 16 rows, growing 8 to 10 inches in length, slightly tapering; color light orange. Per lb 5c, 100 lbs \$3.00.

✓ **Mastodon Yellow Dent, 90 Days.** The largest and best Dent corn. Per lb 5c, 100 lbs \$3.00.

✓ **King Philip Flint, 90 Days.** The earliest, largest, and best flint corn. Per lb 5c, 100 lbs \$3.00.

✓ **Iowa Golden, 100 Days.** A large-grained variety; yellow. Per lb 5c, 100 lbs \$3.00.

✓ **Wisconsin White Dent, 90 Days.** A perfect white Dent corn, in good qualities resembling the Leaming. Per lb 5c, 100 lbs \$3.00.

✓ **Champion White Pearl, 90 Days.** A fine white flint corn. Per lb 5c, 100 lbs \$3.00.

### Field Corn—California Grown.

✓ **King Philip, 90 Days.** A small, yellow variety, very popular in this market. Per 100 lbs, price on application.

✓ **Hickory King, 110 Days.** A white variety, having the largest grain with the smallest cob ever introduced in a white corn. Price on application.



## J. & M. Reliable Seeds of Forage and Fodder Plants

The following varieties of forage and fodder plants can be recommended to do well in California soils and climates. Though not strictly plants indigenous to arid regions, they will, nevertheless, withstand our summer seasons quite well, and if planted on moist lands, or lands to which irrigation waters are available, will yield bounteous crops.

### Cow Peas, Field Peas, Vetches.

**CULTURE.** Throughout the Southern States, Cow Peas are universally used in preference to any other plant for forage and as soil renovators. Their growth is marvelous, yielding 25,000 pounds of green or 5,000 pounds of dry hay to the acre. They make the best green fertilizer for turning under in orchards. When sown in rows three feet apart, thirty pounds will sow an acre. Sown broadcast, eighty or one hundred pounds are required to seed an acre properly. If grown for fodder or seed, plant in drills and cultivate thoroughly. If grown to plow under, sow broadcast.

**Wonderful Cow Pea.** The most valuable pea ever introduced for forage stock-feeding, enriching land and for eradicating weeds and grasses. Mr. Thos. Gooch of Rivera says of the wonderful Cow Pea: "It exceeds anything I ever grew for emulsion or for cow feed. The second day after feeding it to my cows there was a very perceptible increase in the supply of milk. The cows will eat it in preference to alfalfa, leaving nothing to waste." Per lb 10c, 100 lbs \$5.00.

**Soja Bean.** The plant grows erect, averaging three feet in height. The stalk is strong and woody, and has numerous branches covered with heavy foliage. The branches and upper part of the main stem are thickly studded with clusters of pods, from two to five pods growing in a cluster. Make forage as good as Cow Peas. The vines are cut when the leaves are in the milk. The beans are frequently used as a substitute for coffee. Per lb 10c, 100 lbs \$7.50.

### Field Peas.

**Blue Prussian.** This is the culinary pea of commerce. It is used here very largely as a green fertilizer in orchards. Our stock is extra select. Per lb 5c, 100 lbs \$3.50.

**Canada Field.** One of the best green manuring crops. Very early; also makes a good, large, yielding forage crop. The seed is small and popular as a pigeon feed. Per lb 5c, 100 lbs \$3.50.

### Vetches.

Are becoming very popular as a forage crop. They can be cheaply raised, fed green, cured and ensilaged. Sow at the rate of from forty to fifty pounds to the acre, either broadcast or in drills fifteen inches apart.

**Winter Vetches.** Furnish one of the most nutritious winter and forage crops. It is superior to Canadian Field for emulsion. It is very hardy, growing all winter. Per lb 10c, 100 lbs \$7.50.



Winter Vetches.

### Clover and Grass Seed.

**Turkestan Alfalfa.** Extensively grown in the dry country about Palestine. It resists drouth much better than the common alfalfa grown here, and is of much finer texture. We have secured only a few pounds of the seed, in order that our customers may try it in this climate. Per lb 25c.

**Alfalfa.** Our standard clover. Too well known to require description. Send for quotations.



- Red Clover.** Mostly grown here for a green manuring crop for orchards. Per lb 20c, 100 lbs \$14.00.
- White Dutch Clover.** Used principally for lawns; is also excellent for pasturage. Per lb 40c.
- Italian Rye Grass.** Very valuable for pasturage in this climate. In nutritive value, earliness and quickness of growth after it has been cut, it is unsurpassed. Sow 30 to 40 pounds to the acre. Per lb 15c, 100 lbs \$9.00.
- Perennial Rye Grass.** One of the best grasses for permanent pasturage. Leaves long, narrow and fine; darker in color than the Italian, not more than half as large and slower to develop. Sow 40 pounds to the acre. Per lb 15c, 100 lbs \$9.00.
- German Millet.** Produces from 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. Yields 2 crops in a season. Sow 50 pounds to the acre. Per lb 10c, 100 lbs \$5.
- Common Millet.** It is an annual grass; its luxuriant leaves, being very juicy and tender, are much relished by all stock. It makes a very good hay. Sow 50 pounds to the acre. Per lb 5c, 100 lbs \$4.50.
- Pencellaria, or Pearl Millet.** No other plant makes so much forage as this. Seven cuttings may be had in a season. Sow seed in drills, 5 pounds to the acre. Per lb 20c.
- Johnson Grass, or Evergreen Millet.** A perennial; a rapid grower with long, cane-like roots. The leaf, stalk and panicle of this grass resemble those of sorghum; will grow where it is too hot and dry for other grasses. A way has been discovered to eradicate this grass when not desired. Write for directions. Sow 40 pounds of seed to the acre. Per lb 15c, 100 lbs \$10.00.
- Bermuda Grass.** This plant has long been utilized in the Southern States. It is a tender, delicate grass, growing over and binding the most arid and loose land, and grows luxuriantly in every kind of soil; very valuable for pasture, as well as for hay crop; time of sowing, April to June. Per lb \$1.00.
- Awnless Brome Grass (*Bromus Inermis*).** A hardy perennial, standing extremes of heat, cold and drought better than any other of our cultivated grasses. It will grow well on all kinds of soil, and gives a very large yield. All kinds of stock eat it greedily, and the analysis made shows that it is exceedingly rich in flesh-forming ingredients. The seed should be sown as early in the spring as the ground can be worked. Sow 35 to 40 pounds to the acre. Per lb 20c, 1000 lbs \$15.00.
- Australian Salt Bush (*Atriplex Semibaccatum*).** Will grow on any soil and has solved the problem of utilizing our alkali land. Will grow in the strongest black or white alkali soil and produce an abundance of nutritious fodder. Per oz 15c, lb \$1.00.

## Some Important Fodder Plants

- Early Amber Sugar Cane or Sorghum.** Can be raised anywhere and produces a large crop of the most nutritious fodder; all stock relish it on account of its sweetness. If grown for sugar, plant six pounds to the acre in drills; if for fodder, sow broadcast seventy or eighty pounds to the acre. Per lb 10c, 100 lbs \$3.50.
- White Kaffir Corn.** The stalks keep and are brittle and juicy, not hardening like other varieties of sorghum, making excellent fodder either green or dried, which is highly relished by cattle, horses and mules; it grows from four to six feet high. For grain, sow five pounds to the acre in rows three feet apart; for fodder, sow sixty pounds to the acre broadcast. Per lb 5c, 100 lbs \$4.00.
- Red Kaffir Corn.** Stalks are more slender than the white, but more juicy and leafy; it does well on poor land and yields good crops. Per lb 5c, 100 lbs \$4.00.
- Jerusalem Corn.** Stands drought better than any other sorghum. Grows about three feet high; the grains are pure white and nearly flat. Sow five pounds to the acre. Per lb 10c, 100 lbs \$6.50.
- White Egyptian or Dhoura Corn.** Yields a large crop of either grain or fodder; the grain is excellent for poultry. Sow like Kaffir corn. Per lb 5c, 100 lbs \$2.50.
- Brown Egyptian Corn.** Similar to the above, only the grain is brown in color; stands dry weather and will grow on the poorest soil. Per lb 5c, 100 lbs \$2.50.
- Dwarf Broom Corn.** Grows three to four feet high, with straight, smooth brush, principally used for making whisks and brushes. Per lb 10c, 100 lbs \$5.00.



**Improved Evergreen Broom-Corn.** Grows eight to ten feet high, stands up well and is entirely free from crooked brush; fibre is long and fine. Per lb 10c, 100 lbs \$5.00.

**Milo Maize.** Similar to Kaffir corn. Stalks are more tender. Produces an abundance of grain that is greatly relished by stock and poultry. Per 100 lbs \$2.00.

**Dwarf Essex Rape.** This is the best midsummer and autumn sheep forage known, and it is also used for pigs and dairy cows with success. It is a plant of the cabbage family, requiring the same treatment as the turnip. Stock should be fed alternately on grass and rape — not an exclusive rape diet; and rape-fed animals should have access to salt. Sow three pounds of seed to acre in drills, or five to ten pounds broadcast. Per lb 15c, 100 lbs \$10.

**Jerusalem Artichokes.** Best hog food known. Noted for their great productiveness and ease with which they can be grown. Are recommended highly for milch cows, increasing the yield of milk and at the same time improving their condition. One hundred and twenty pounds of tubers will plant an acre; they should be cut as potatoes, one eye being sufficient, and planted in rows three apart and two feet in the rows. Per lb 5c, 100 lbs \$4.00.

## J. & M. Reliable Grass and Clover Seeds.

We have established a reputation throughout Southern California on the high quality of lawn grass seed furnished by us. If you wish a beautiful velvety lawn, you avoid all risk by buying from us direct.

**HINTS ON LAWN MAKING.** Lawn grass seed may be sown the year round in California. In making a new lawn the soil should be carefully cultivated to the depth of one foot, and prepared to the desired level, and well rolled; after which a light raking will prepare it for proper reception of the seed. If the soil is poor it should be enriched with well-rotted, sifted stable manure, or some good commercial fertilizer. Sow the seed carefully and evenly, using one pound to cover an area of 200 square feet; rake in well and roll.

**FERTILIZING THE LAWN.** To keep up the beauty of a lawn it will be necessary to feed the grass well. You cannot expect it to retain that depth and richness of texture and color which characterizes it while young, after the elements of plant food have been exhausted. That which the plants take from the soil in their development must be supplied from time to time in order to keep the grass up to a high standard of health. We recommend a good commercial fertilizer, such as the **J. & M. Reliable Lawn Fertilizer**, in preference to stable manure, which is almost certain to sow the lawn with noxious weeds. For further information regarding fertilizers, see page headed "Lawn Fertilizers."

Drop us a card. We will send you a man to sow your lawn or to fertilize it. Price always reasonable. Write for estimate.

**Fancy Kentucky Blue Grass.** The purest and best lawn seed. Produces a lasting and beautiful effect. We sell only the finest quality of this seed. Per lb 25c, 100 lbs market price.

**White Dutch Clover.** Makes a showy effect much quicker than the blue grass, and is frequently used alone. In conjunction with blue grass, however, it forms the finest and closest turf. Per lb 35c, 100 lbs market price.

**Lippia Grass.** Similar in appearance to clover. Very hardy; rarely needs water. It trails close to the ground, seldom needs cutting, and is almost indestructible; particularly desirable for parks; propagated by transplanting. Sold in boxes. One box will be required to set about 500 square feet. Per box \$1.00.

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Remember that we are large importers and exporters of seeds of all kinds, hence if you are in the market for any quantity out of the usual, make it a point to write us for special quotations. We believe we can save you money, and know that we can supply you with reliable seeds.



## J. & M. Reliable Flower Seeds

Flower seeds are divided into Annuals and Perennials. Annuals are those that bloom and ripen seed the first year, then die. Among these may be found some of our most brilliant and fragrant flowers. Perennials are those that live and bloom for several years in succession. Directions for culture are on each package.

**Ageratum.** Flowers light blue or lavender, furnishing a continuous bloom through the summer. Height, 1 foot. Hardy annual.

Ageratum Mexicanum, per packet, 5c.

**Alyssum, Sweet.** A favorite flower for bouquets; white, very fragrant, and producing a succession of bloom through the summer and until after severe frosts. Height, 1 foot. Hardy annual.

Alyssum Maritimum (sweet), per packet, 5c.

Alyssum Dwarf or Tom Thumb, per packet, 5c.

**Antirrhinum** (Snapdragon). One of the most desirable flowers in the Catalogue for its variety of colors and succession of bloom, lasting from July until severe frosts. A great variety of beautiful colors, striped and variegated with other brilliant shades. Height, 1 foot. Perennial.

Antirrhinum, dwarf, mixed colors, per packet, 5c.

**Amaranthus.** Valuable for its varieties of handsome foliage, whether grown in the conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Height, 2 to 3 feet. Hardy annual.

Amaranthus tri-color (Joseph's Coat), per packet, 5c.

Amaranthus Candatus (Love Lies Bleeding), per packet, 5c.

**Aquilegia** (Columbine). The old single varieties of Columbine have been known and admired for centuries, under the name of Honeysuckle. The new double sorts are very beautiful, and embrace a great variety of colors and forms. Height from 1 to 2 feet. Hardy perennial.

Aquilegia, mixed colors, per packet, 10c

**Aster.** No family of plants bears such distinct marks of progress as the Aster, and none are more eagerly sought. An almost endless variety, always reliable, it is not strange that they should become a necessity. Height, 1 to 2 feet. Annual. Packet, 10c.

**Balsam.** The Balsam has been so much improved by cultivation as to be scarcely recognized. Requires a rich, deep soil, good culture and plenty of space to grow to perfection. Height, 2 feet. Hardy annual.

Balsam, double French, per packet, 5c.

Balsam, double Camelia, per packet, 5c

**Bachelor's Button.** Showy annual, of easy culture. Flowering freely with a great variety of colors in common garden soil.

Centaurea Cyanus, per packet, 5c.

**Carnation.** This beautiful and well-known flower produces a finer bloom grown from seed than when grown from cuttings taken from the old plants. The



Double Balsam.

seed will produce a finer variety of colors, with flowers of good size and substance. Height, 18 inches. Half hardy perennial.

Carnation, Marguerite, large double, very fragrant, per packet, 10c.

Carnation, double dwarf Vienna, mixed per packet, 10c.

Carnation, double California, mixed, per packet, 10c.

Carnation, early double snow white, per packet, 25c.

Carnation, double red Grenadin, per packet, 15c.

**Calendula.** This splendid variety has large double flowers, beautifully imbricated, resembling in size and form the finest aster. Each petal is of pale straw color, regularly marked with stripes of bright, deep orange. Height, 18 inches.

Calendula officinalis, per packet, 5c.

**Calliopsis.** A very showy border plant, producing flowers in nearly every shade of yellow, orange, crimson, red and brown. Height, 2 feet. Hardy annual.

Calliopsis, mixed colors, per packet, 5c





Carnation, Early Double Snow White.

**Canna.** Stately plants with foliage of elegant growth, presenting a luxuriant and tropical appearance, are much employed in ornamental planting; when planted in clumps of 4 or 5 contrasting colors, are very effective. Height, 3 feet. Tender annual.

Canna, mixed colors, per packet, 5c.

Canna, Madame Crozy, per packet, 5c.

**Candytuft.** All the colors of Candytuft are desirable for bouquets, especially the white, for its form and fragrance, and profusion of bloom. Height, 1 foot. Hardy annual.

Candytuft, mixed colors, per packet, 5c

Candytuft, purple, per packet, 5c.

Candytuft, white, per packet, 5c.

Candytuft, rocket (white), per pkt, 10c

**Canterbury Bells.** Handsome, hardy, biennial, of stately growth, rich color and profuse bloom. Succeeds best in light rich soil and should be transplanted 2 feet apart. Has large bell shaped flowers, which are strikingly effective.

Campanula, medium, single mixed, per packet, 5c.

Campanula, medium, double white, per packet, 10c.

Campanula, medium, double blue, per packet, 10c.

Campanula, medium, double mixed, per packet, 10c.

**Cockscomb (Celosia).** Highly ornamental plants, producing crested heads of flowers, somewhat resembling a cock's comb. Height, 1 to 2 feet.

Celosia crustata, dwarf, mixed colors, per packet, 10c.

**Coleus.** Is one of the most beautiful of our variegated perennial foliage plants for garden decoration, ribbon beds, etc., being of rapid growth and easy culture. Height, 1 to 2 feet. Tender perennial.

Coleus, new hybrids, mixed, per packet, 20c.

**Clarkia.** The flowers are very pretty and of many colors, double and single. Height, 2½ feet. Hardy annual.

Clarkia pulchella, per packet, 5c.

**Cineraria Hybrida.** Very attractive and a justly much admired plant. Height, 1 to 2 feet. Perennial.

Hybrida grandiflora, per packet, 25c.



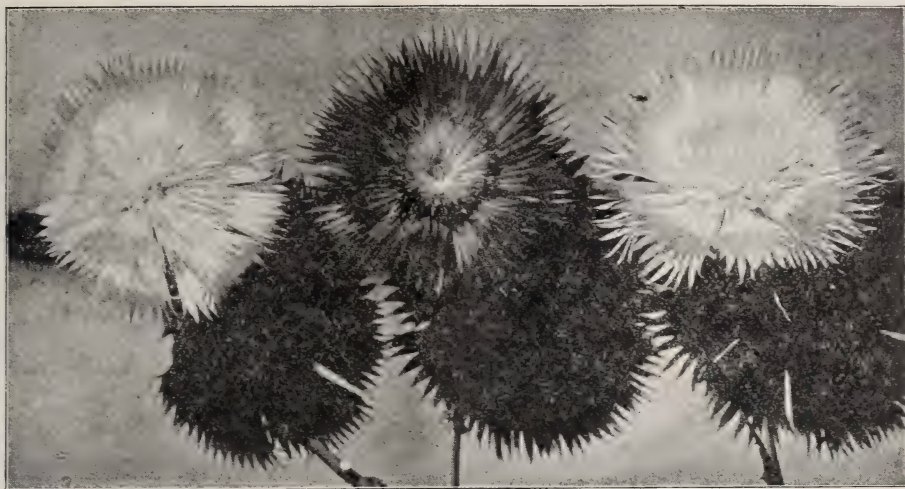
Calliopsis.

**Centaurea.** An exceedingly interesting genus of plants, embracing annuals, biennials and perennials. Some of the varieties are foliage plants, indispensable for borders and edges of beds, while others are noted for their beautiful flowers.

Centaurea Gymnocarpa (Dusty Miller) • silvery gray foliage; drooping habit, very graceful. Half yearly perennial per packet, 10c.

Centaurea Odorata, sweet scented flower, of a bluish or light purple color, set on long stems. Easily cultivated and should be grown in light soil. Hardy annual; about 1½ feet high, per packet, 10c.



Types of *Centaurea Imperialis*.

*Centaurea Candidissima*, ornamental plant of great beauty. Silvery white deeply cut foliage. Half hardy perennial, per packet, 15c.

*Centaurea Marguerite*, a sweet scented white variety, about as large as a carnation, per packet, 10c.



Canterbury Bells.

***Centaurea Imperialis***. A new, very large flowering strain resembling the marguerite, but nearly twice the size.

*Centaurea Imperialis* mixed, colors range from white, purple to pink; stems very long; fine for corsage bouquets, per packet, 10c.

*Centaurea Imperialis* Carl, a beautiful pure white; fragrant, very large in size, long stems, per packet, 15c.

*Centaurea Imperialis* Princess, color purple to lavender with white centre; very large, per packet, 15c.

*Centaurea Imperialis* Sulphurea, an improvement on *Centaurea Chameleon*; pure deep yellow in color; of immense size, reaching during the summer months,  $3\frac{1}{2}$  to 4 inches in diameter; very long stems, per packet, 25c.

**Chrysanthemum**. Colors, golden yellow, white tinted with yellow and brown. Finely shaped double flowers produced in profusion nearly covering the plants. Height, 18 inches. Perennial.

*Chrysanthemum carnatum* mixed single, per packet, 5c.

*Chrysanthemum Japonicum*, mixed double Japanese, per packet, 25c.



Cobaea.

**Cosmos**. A very effective autumn flowering plant. Quite hardy and rapid growing, forming bushes often four to eight feet high, and covered with large single, dahlia-like flowers.

*Cosmos*, mammoth perfection, pure white, per packet, 10c.

*Cosmos*, mammoth perfection, mixed colors, per packet, 10c.

*Cosmos*, mammoth perfection, light pink, per packet, 10c.

*Cosmos*, mammoth perfection, carmine, per packet, 10c.

*Cosmos*, new fringed Marguerite, per packet, 10c.

*Cosmos*, new giant yellow, per pkt, 15c

*Cosmos*, fine mixed California, per packet, 5c.





Types of Mammoth Perfection Cosmos, One Quarter Size.

**Convolvulus Minor.** A trailing plant, with flowers of rich shades of blue, in some specimens rivaling the pansy in richness of color, finely shaded with yellow and white. Height, 10 inches. Half hardy annual.

Convolvulus minor, per packet, 5c.



Cyclamen.

**Clematis.** Well known and universally admired climbers; some of the varieties being remarkable for the beauty and fragrance of their blossoms. Will do well in any garden soil. Height, 15 feet.

Clematis, fine mixed, per packet, 10c.

Clematis, flamula, very fragrant, per packet, 10c.

Clematis Virginiana (Virgin's Bower), per packet, 10c.

**Cobaea.** A splendid climbing plant, with large purple bell-shaped flowers and elegant tendrils; when well established it grows very rapidly, with numerous branches. 15 to 20 feet. Tender perennial.

Cobaea scandens, per packet, 10c.

**Cypress Vine.** One of the most beautiful of the climbers, fine delicately cut foliage, dotted with small scarlet star-shaped flowers. Height, 8 feet. Tender annual.

Ipomea quamoclit, mixed colors, per packet, 10c.

**Cyclamen.** Well known and universally admired tuberous rooted plants, producing exceedingly handsome red and white flowers. Tender perennial. One foot high.

Cyclamen persicam, mixed, per pkt, 15c

**Daisy.** Charming little plant for edging and borders. The flowers are quilled and flat-petaled, white, pink, red and variegated. Tender perennial; height, 6 inches.

Bellis perennis, double mixed, per packet, 10c.

**Dahlia.** This exceedingly beautiful genus comprises an almost endless number of varieties, all more or less showy in the flower garden in the autumn when most other flowers have faded. Half hardy perennial; height, 4 feet.

Dahlia, finest double mixed, per packet, 15c.

Dahlia, finest single mixed, per packet, 15c.



Eschscholtzia.

**Eschscholtzia** (California poppy)). One of the most beautiful flowers grown. Half hardy perennial; height, 1 foot.

Eschscholtzia California, per pkt, 5c.

Golden West, per packet, 10c.





Double Geranium.

**Gaillardia.** A showy annual with brownish-red flowers, bordered with yellow and white, blooming strongly through the season. Height, 18 inches.

Gaillardia, mixed colors, 5c.

**Gilia.** Color azure blue, and light blue shaded with yellow and white. Height, 18 inches. Hardy annual.

Gilia, mixed colors, per packet, 5c.

**Geranium.** No garden seems complete without a bed of them, and in every collection of plants we are sure to find the Geranium. Propagation by seed is the only way to obtain new varieties. Height, 1 to 2 feet. Half hardy perennial.

Geranium, single mixed, per pkt, 10c.

Geranium, double mixed, per pkt, 25c.

**Gourds.** A great variety of curiously formed and marked fruit; the vines are of rapid growth and with luxuriant foliage, adapted for covering screens, arbors, etc. Height, 10 to 15 feet. Tender annual.

Gourd, small ornamental, per pkt, 5c.

Gourd, nest egg, per packet, 5c.

**Golden Rod.** Our "National Flower." Beautiful golden-yellow. Height 2 to 5 feet. Hardy perennial.

Solidago Canadensis, per packet, 10c.

**Godetia.** A beautiful new variety; the plant of neat, dwarf, compact habit, with a profusion of rich carmine flowers. Height, 1 foot. Hardy annual.

Godetia, Lady Albemarle, per pkt, 5c.

**Forget-me-nots.** This is too well known to require description or recommendation. The delicate blue flowers appear all summer. Height, 6 inches. Hardy biennial.

Myosotis palustris, packet, 10c.

**Foxglove.** Showy and useful plant for border. Flowers borne in tall spikes, bell or thimble-shaped, of all colors. Height, 2 feet. Hardy biennial.

Digitalis, mixed colors, 10c.

**Four O'Clock (Marvel of Peru).** A handsome plant making an attractive display of its many colored flowers from the middle of July until frost. The leading colors are red, white and yellow. Height, 2 feet. Hardy perennial. Mariabulis jalapa, packet, 5c.

**Fuchsia.** The varieties are as easily grown from seeds as from cuttings, and from seed many improved varieties are obtained. Height, 1 foot.

Fuchsia, double, finest mixed, per packet, 25c.

**Gypsophila.** Small white, fragrant flowers, borne on long feathery stems. No flower adds more of light and grace to the bouquet than this, and when once grown will be found indispensable. Height, 1 foot. Hardy perennial.

Gypsophila elegans, per packet, 5c.

**Helichrysum.** One of the best of the Immortelles; good shape and size, and a variety of desirable colors—yellow, sulphur, cream, white, pink, rose, red and crimson. Retain their natural shape very perfectly when dried. Height, 18 inches. Hardy annual.

Helichrysum coronarium, mixed, per packet, 5c.

**Heliotrope.** Flowers purple, borne in trusses, and exceedingly fragrant. Height, 1 foot. Half hardy perennial.

Heliotropeum, mixed colors, pkt, 10c.

**Hibiscus.** A showy, hardy annual, cream color. Height, 2 feet.

Hibiscus Africanus, per packet, 5c.

**Hollyhock.** A great variety of brilliant colors, combining richness and delicacy in a remarkable degree. Flowers large and densely double, remaining a long time in bloom. Height, 5 feet.

Hollyhock, double mixed, per pkt, 10c.

**Hyacinth Bean.** Splendid climber, with abundant cluster spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 20 feet in a season. Height, 10 to 20 feet. Tender annual.

Dolchios lablab, mixed colors, pkt, 10c.



**Linum.** Distinguished for their brilliant colored flowers, which are deep crimson with black, saucer-shaped, and very conspicuous in beds and borders. Height 18 inches. Hardy annual.

*Linum grandiflorum rubrum*, pkt, 5c.

**Lantana.** Rapid growing plants; the flowers are borne in verberna-like heads, embracing every shade of pink, purple, orange and white. Height, 2 feet. Half hardy perennial.

*Lantana hybrida*, mixed, per pkt, 10c.

**Larkspur.** A fine variety of colors—shades of blue, red and others, striped and mottled. The flowers are produced in spikes, furnishing an abundance of bloom through the season. Height, 2 feet. Hardy annual.

*Larkspur*, double, tall mixed, pkt, 5c.

*Larkspur*, double, dwarf, mixed, per packet, 5c.

**Lily of the Valley.** The Lily of the Valley is a sweet little plant, thriving in any common soil; it will do well in any shady situation where few other plants will thrive. Height, 1 foot. Hardy perennial.

*Convallaria majalis*, per packet, 10c.



Mimulus.

**Lobelia.** An elegant and useful class of plants, of dwarf, compact growth, bearing a profusion of delicate flowers, in bloom through the summer and autumn. Colors, deep, rich blue, and blue marked with white. Height, 6 inches. Half-hardy annual.

*Lobelia gracilis*, per packet, 10c.

**Marigold.** A showy plant of compact, symmetrical growth, handsome foliage, and a profusion of flowers of brilliant shades of yellow, finely variegated and striped with dark, rich colors of maroon and brown. Height, 1 foot. Half hardy annual.

*Marigold*, double dwarf, French, per packet, 5c.

*Marigold*, double dwarf African, per packet, 5c.

**Mimulus.** These flowers are remarkable for their rich and beautiful marking and spots. Height, 1 foot. Half hardy perennial.

*Mimulus punctatus*, per packet, 10c.

*Mimulus moschatus* (Musk Plant), per packet, 10c.



African Marigold.

**Moonflower.** The true Moonflower is the cover a trellis 30 or 40 feet high with most vigorous of all summer climbers; a single plant can easily be made to a dense mass of leaves, studded every night or cloudy day with hundreds of beautiful white flowers, 4 to 6 inches in diameter. Height, 30 to 40 feet. Tender annual.

*Ipomea grandiflora* (True White Moon flower), per packet, 10c.

*Ipomea Heavenly Blue* (Blue Moonflower), per packet, 10c.

**Morning Glory.** This well known annual is one of the most popular climbers. Of rapid growth, soon covering a fence or trellis with abundant foliage and bright flowers. A great variety of colors and shades. Height, 10 feet. Hardy annual.

*Convolvulus major*, mixed colors, per packet, 5c.

*Convolvulus major*, blue per pkt, 5c.

*Convolvulus major*, white, per pkt, 5c.



Mignonette.



**Morning Glory** (Giant Japanese). This plant has been developed to such a state of perfection that it now produces flowers of immense size and almost endless variety of color and markings. Some of the flowers are brilliant red, or rich blue self-colored; others are equally brilliant, with broad margins of clear white.

Japanese Morning Glories, mixed colors, per packet, 10c.

**Mignonette Sweet.** One of the best known and most popular flowers; indispensable for the garden. Height, 1 foot. Hardy annual.

Mignonette, sweet, per packet, 5c.

Mignonette, machet, per packet, 5c.

Mignonette, tall Pyramidal, per packet, 5c.

Mignonette, tall Pyramidal, pkt, 5c.

**Tropaeolum major**, cardinal, dark scarlet per packet, 5c.

**Tropaeolum major**, spitfire, firey red, per packet, 5c.

**Tropaeolum major**, chestnut brown, per packet, 5c.

**Nasturtium, Dwarf.** One of the most brilliant scarlets grown in any flower; the bloom covering the plant and being produced in succession throughout the summer. Foliage very dark green. Grows less than 1 foot high, making it very desirable for the front edge of a bed or border. Height, 1 foot.

**Tropaeolum minor**, mixed colors, 5c.

**Tropaeolum minor**, ochre yellow, 5c.

**Tropaeolum minor**, bronze colored, 5c.

**Tropaeolum minor**, rose, 5c.

**Tropaeolum minor**, pearl, 5c.

**Tropaeolum minor**, crimson, 5c.



Petunia, Ruffled Giants of California.

**Nemophila.** The flowers are exquisitely colored, blotched and spotted; they are quite apt to sport into an endless variety of shades, from black and blue to lighter colors. Height, 6 inches. Hardy annual.

Nemophila, mixed colors, per packet, 10c

**Passion Flower.** A most interesting and well known order of climbers, bearing singularly beautiful flowers.

Passiflora coerulea, per packet, 10c.

**Petunia.** One of the best flowers for a splendid display through the entire season. Beautifully new colors, striped and marked in the most diversified manner. The ease of culture, profuse and continuous bloom, render the Petunia one of the most valuable annuals and entitle it to a generous share in every garden. Hardy perennial Petunia hybrida, double mixed, pkt, 50c.

Petunia hybrida striped blotched, pkt, 10c

Petunia hybrida, single mixed, pkt, 10c.

Ruffled Giants of California, pkt, 20c.

**Nasturtium Tall.** This well known annual is one of the best for trellises and arbor decorations. Flowers of a great variety of rich colors, striped and spotted with different shades. Height, 6 to 10 feet.

**Tropaeolum major**, mixed colors, per Packet, 5c.

**Tropaeolum major**, king of blacks, maroon, per packet, 5c.

**Tropaeolum major**, light yellow per packet, 5c.

**Pink.** (Dianthus.) The Dianthus family furnishes the florist with many of his most beautiful flowers, including the Carnation, Sweet William, Florist's, Chinese and Japan Pinks, in all their varieties. Hardy and half hardy biennials and perennials, but nearly all blooming the first year from seed.

Dianthus, Oriental Beauties, pkt, 10c.

Dianthus, double Japanese, packet, 10c

Dianthus, double white, packet, 5c.

Dianthus, double mixed, packet, 5c.

Dianthus, single mixed, packet, 5c.





Pansies.

**Phlox.** No flower excels this in all the qualities that make a popular annual. Brilliant and varied colors; continuous bloom. Height, 8 inches.

Phlox Drummondii, mixed packet, 5c.

Phlox Drummondii, grandiflora, mixed per packet, 10c.

**Poppy.** A great variety of brilliant colors and various shapes. They make a fine display growing among the taller flowers and shrubs.

Poppy Carnation, single and double, mixed, per packet, 5c.

Poppy Shirley, mixed colors, per packet, 5c.

Poppy Tulip, bright scarlet, per packet, 5c.

Poppy Mikado, double white, scarlet edge, per packet, 5c.

**Portulaca.** There are scarcely any flowers in cultivation that make such a dazzling display of beauty as a bed of many-hued, brilliant-colored Portulacas. Height, 9 inches. Tender annual.

Portulaca, single mixed, 5c.

Portulaca, double rose, mixed, 10c.

**Primula Sinensis** (Chinese Primrose). These are, perhaps, the most desirable of all house blooming plants. They are in almost constant bloom all winter, and if the plants be transferred to the border they will bloom nearly all summer. Height, 9 inches.

Primula Sinensis, mixed, per pkt, 15c.

**Primrose, Evening.** Produces large, showy blossoms, which are fully expanded only towards and during evening. Blossoms three to four inches across, usually yellow or white, and very freely and constantly produced.

Oenothera Lamarckiana, per pkt, 5c.

#### PANSIES.

Pansies are the most popular flowers grown from seed, and their great variety of coloring makes them one of the most interesting. Sow the seed in September or October for early spring bloom; they may, however, be planted here almost the year round.

**New Superb Mixture.** Composed wholly of giant varieties; one of the most beautiful ever offered; the flowers are immensely large, of thick velvety texture and most distinct colors.

Per packet, 10c.



New Masterpiece.

**Cassier's Giant Odier.** The flowers, of immense size, are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. Per packet, 10c.

**Bugnot's Very Large Stained, Mixed.** An extra large flowering beautiful five blotched race; plants vigorous, with short stalks, bearing well above the foliage immense flowers of fine form and substance. Extra fine, per packet, 25c.



**Trimardeau. Very Large Flowered Mixed.**

An entirely distinct and beautiful race with flowers of the richest and most varied shades of color. Plants of vigorous compact growth, and the flowers, which possess unusual substance, and consistency, are each marked with three large blotches or spots.

Per packet, 10c.

**Masterpiece Pansy.** It differs from all other types in existence in that the border of every petal is conspicuously undulated and curled. The colors are beautiful and varied and the flowers immensely large. Per packet, 25c.

**Salvia.** The Salvia or Flowering Sage is a very ornamental plant, flowering in spikes of fiery red, and continues in bloom in open ground until frost. Height 1 foot. Tender annual.

Salvia patens, blue, per packet, 15c.

Salvia splendens, scarlet, per pkt, 10c.

**Salpiglossis.** Very showy bedding or border plants, with richly colored, erect, funnel shaped flowers. The colors are beautifully marbled and penciled, purple, scarlet, crimson, yellow, buff, blue and almost black. Bloom from August to October. Half hardy annual; one and a half to two feet high.

Fine mixed, hybrid varieties, pkt, 5c.

**Sanvitalia.** Very pretty, dwarf, trailing plants; excellent for rock work, borders or edging of beds. It is so completely covered with flowers as to nearly hide the foliage. Double flowers of a brilliant golden yellow, resembling a miniature double Zinnia. Hardy annual; 6 inches high.

Sanvitalia procumbens, double, pkt, 5c

**Sensitive Plant.** An interesting and curious plant, with globular heads of pink flowers, well known for the extreme irritability of its leaves and foot stalks, which close and droop at the slightest touch, or in cloudy, damp weather, and during the night. Tender annual. Height, 1½ feet.

Mimosa Pudica, per packet, 5c.



Sweet William.

**Scabiosa.** (Mourning Bride.) Produce a profusion of large double flowers of striking shades of color. Hardy annual. About 1 foot high.

Scabiosa, double mixed, per pkt, 5c.



Ten Week's Stock.

**Smilax.** No climbing plant in cultivation surpasses this for the graceful beauty of its foliage: In cut flowers and for use in wreaths, etc., it is indispensable to florists. Height, 10 feet. Tender perennial.

Myrsiphyllum asparagoides, pkt, 10c.



Thurnbergia.

**Stocks.** The Stocks as now grown are indispensable where a fine display of flowers is wanted. To such perfection has selection brought them that good seed will give a large proportion of flowers as double and as large as the named sorts grown from cuttings.





#### SWEET PEAS.

These are, perhaps, the most popular flowers grown. California is truly the paradise of Sweet Peas; here they bloom longer and more luxuriantly than anywhere else in the world. It was in California, too, that most of the Novelties introduced in recent years originated. You will find our Sweet Peas unequalled anywhere for largeness of bloom, and beauty and variety of color.

**Alba Magnifica.** Pure white flowers. Per pkt 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Apple Blossom.** Bright rose pink; beautifully blended. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Blanche Burpee.** Beautiful, white; very large. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Blanche Ferry.** Pink and white; very large flowers. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Blushing Beauty.** Delicate pink; very fine hooded form. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Butterfly.** White laced, with lavender. Per pkt 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Captivation.** Light claret, large, shell-shaped standards. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Coquette.** Primrose, shaded fawn, very beautiful. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Duke of Clarence.** Brilliant rosy claret. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Firefly.** Deep, brilliant scarlet. Per pkt. 5c, per oz. 14c, per  $\frac{1}{4}$  lb 20c.

**Her Majesty.** Large, rose colored flowers. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Painted Lady.** Pink and white; small flowers. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Double German Ten Weeks,** pure white, per packet, 10c.

**Double German Ten Weeks** pure white per packet, 10c.

**Intermediate,** white, per packet, 15c.

**Intermediate,** scarlet, per packet, 5c.

**Brompton,** mixed, per packet, 10c.

**Perpetual,** mixed, per packet, 15c.

**Sunflower.** An exceedingly double variety of this well-known plant, adapted by its stately growth for a background to the lawn or to screen unsightly places. Height, 5 feet. Hardy annual.

*Helianthus Californicus*, per pkt, 5c.

**Sweet William.** The improved varieties of this popular flower are very beautiful and should find a place in every garden. A great variety of strong colors, variegated with lighter shades. Height, 18 inches. Hardy perennial.

*Dianthus barbatus*, single mixed, per packet, 5c.

*Dianthus barbatus*, double mixed, per packet, 10c.

*Dianthus barbatus*, pure white, per packet, 10c.

*Dianthus barbatus*, red, per pkt, 10c.

**Thurnbergia.** (Black-eyed Susan.) Beautiful, rapid growing annual climbers, thriving in a light, rich, loamy soil, in warm situations in the garden; very pretty flowers in buff, white, orange, etc., with dark eyes.

*Thurnbergia*, mixed colors, packet, 5c.



**Primrose.** Pale, primrose yellow. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Prima Donna.** Light, blush pink; very fine. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Senator.** Bright brown, shaded on white. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Stanley.** Rich, dark maroon; finest dark variety. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Venus.** Lovely buff, shaded pink. Per pkt 5c per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Emily Henderson.** Pure white; early. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Countess of Radnor.** Delicate mauve or lavender. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Lovely.** A truly lovely shell pink; extra good. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**New Countess.** Lavender. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Othello.** Very dark maroon, showing veins of almost black; very large. Per pkt. 5s, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**California Giant..Mixed.** A very superb mixture of all the above varieties. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

**Choice, double mixed.** Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 20c.

#### DWARF SWEET PEAS.

**White Cupid.** Pure white; very fine. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 30c.

**Pink Cupid.** A dwarf Blanche Ferry. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 30c.

**Primrose Cupid.** Pale primrose or creamy white. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 30c.

**Firefly Cupid.** Brilliant scarlet; free bloomer. Per pkt. 5c, per oz. 10c, per  $\frac{1}{4}$  lb 30c.

**Trumpet Vine.** Magnificent, deciduous hardy climber, with brilliant flowers; deserving a first place as an ornamental and effective covering for walls, houses, etc. Height, 20 to 30 feet. Hardy perennial.

*Bignonia radicans*, per packet, 10c.

**Verbena.** The most popular bedding plant grown from seed. The fine variety of colors make it one of the most desirable annuals in the catalogue for general culture. Tender annual.

*Verbena hybrida*, mixed, per pkt, 10c.

*Verbena*, pure white, sweet scented, per packet, 10c.

*Verbena*, scarlet, per packet, 10c.

*Verbena*, mammoth, mixed colors, per packet, 10c.

*Verbena*, lemon, lemon-scent foliage, per packet, 10c.

**Violet.** The Violet should not be wanting in any garden, on account of its fragrance and early appearance; succeeds best in a shady, sheltered place. Height, 4 inches. Hardy perennial.

*Viola odorata*, per packet, 10c.

*Viola cornuta*, purple, per packet, 10c.

*Viola cornuta*, white, per packet, 10c.

**Virginia Creeper.** One of the best climbing plants for permanent situations, as it is perfectly hardy, clinging to the sides of whatever it may be grown against by the rootlets it throws out all along the stems. Height, 50 to 100 feet. Hardy perennial.

*Ampelopsis quinquefolia*, per pkt, 10c.



Verbena.

**Virginia Stock.** Hardy annual, very useful for border or edging. A continual succession of blossoms may be kept up the whole season by sowing at intervals through spring and summer. The flower and plant are quite as desirable as the Candytuft; grows about 9 inches high.

*Cheiranthus maritimus*, per packet, 5c.

**Wall Flower.** The large, massive spikes of the Wall flower are very conspicuous in beds and borders and are deliciously fragrant, perfectly double, and combine many shades of color. Height, 18 inches. Tender perennial.

*Cheiranthus cheiri*, single mixed, per packet, 5c.

*Cheiranthus cheiri*, double, mixed, per packet, 10c.

**Wisteria Vines.** One of the quickest growing climbers of fine bright foliage, producing bunches of rose-lilac flowers in great abundance during the spring. If once started it will live for five years. Height, 20 feet. Hardy perennial.

*Glycine sinensis*, per packet, 10c.

Double Zinnia.

**Zinnia.** Fine, large double flowers of a great variety of colors—red, rose, crimson, scarlet, purple, orange, white and yellow. Height, 2 feet. Half hardy annual.

*Zinnia*, double dwarf, white, pkt, 5c.

*Zinnia*, double dwarf, scarlet, pkt, 5c.

*Zinnia*, double dwarf, mixed, pkt, 5c.

*Zinnia*, zebra striped, per packet, 5c.



# J. & M. Reliable Tree and Shrub Seeds.

We do not carry a large stock of these seeds, as the demand is limited. What we do have, however, are always fresh, true to name and sure to grow.

## Ornamental and Forest Trees.

**Acacia Decurrens.** (Black Wattle.) A medium-sized tree, of quick growth. Is hardier than the Blue Gum. Per pkt 5c, oz 30c.

**Acacia floribunda.** A fine ornamental tree, with abundant, handsome flowers. Per pkt 10c, oz 50c.

**Acacia melanoxylon.** (Blackwood.) A very valuable timber tree; grows 80 feet in height. Per pkt 5c, oz 30c.

**Acacia lophantha.** Very rapid grower; good tree for temporary shelter. Per pkt 5c, oz 30c.

**Araucaria excelsa.** (Norwalk Island Pine.) A very beautiful tree, suitable for lawns; it grows to a height of 200 feet in Australia. Per pkt 10c, oz 75c.

**Brachychiton acerifolium.** (Flame Tree.) Very beautiful; produces an abundance of scarlet flowers. Pkt 5c, oz 30c.

**Camphora officinalis.** Camphor tree of commerce; makes a fine ornamental tree. Per pkt 5c, oz 30c.

**Cupressus Guadalupensis.** (Blue Cypress.) Foliage of a beautiful blue color; of rapid growth. Per pkt 5c, oz 30c.

**Cupressus Lawsoniana.** (Lawson's Cypress.) A native of Northern California; very handsome. Per pkt 5c, oz 25c.

**Cupressus macrocarpa.** (Monterey Cypress.) The variety commonly used for hedges. Per pkt 5c, oz 10c.

**Cupressus sempervirens.** (Italian Cypress.) Can be trained to any desired form; tail and tapering. Per pkt 5c, oz 25c.

**Cedros deodara.** (Himalayan Cedar.) Beautiful evergreen of pyramidal form; foliage bluish-green; gracefully drooping. Per pkt 10c, oz 50c.

**Eucalyptus globulus.** (Blue Gum.) A very rapid grower; useful for many purposes. Per pkt 5c, oz 25c.

**Eucalyptus citriodora.** (Lemon-scented Gum.) The leaves have a fragrance equal to the lemon-scented verberna. Per pkt 25c, oz \$2.00.

**Eucalyptus corynocalyx.** (Sugar Gum.) A very popular variety, especially adapted to dry regions. Per pkt 10c, oz \$1.00.

**Eucalyptus ficifolia.** (Scarlet Flowering Gum.) A beautiful tree, ornamented with trusses of large crimson flowers. Per pkt 50c.

**Eucalyptus rostrata.** (Red Gum.) Timber is unsurpassed for durability, and is used for railroad ties, etc. Per pkt 10c, oz 50c.

**Eucalyptus robusta.** A remarkably hardy variety, much used for street planting in this vicinity. Per pkt 10c, oz 75c.

**Grevillea robusta.** (Silk Oak.) A beautiful, large, fern-like tree; bright yellow flowers. Per pkt 10c, oz 50c.



*Araucaria Excelsa.*



- Pinus Coulterii.** (Big Cone Pine.) A fine native tree; has the largest cone of all pines. Per pkt 5c, oz 30c.
- Pinus insignis.** (Monterey Pine.) A valuable native evergreen; cultivated solely as an ornamental tree. Per pkt 5c, oz 25c.
- Picea amabilis.** (Silver Fir.) A fine ornamental evergreen; leaves, bright green above, silvery underneath. Per pkt 10c, oz 75c.
- Sequoia gigantea.** (California Big Trees.) The largest tree that grows on the American continent. It has attained a height of 450 feet. Per pkt 10c, oz \$1.00.
- Sequoia sempervirens.** (California Redwood.) The most valuable of our native timber trees. The wood is a rich brownish-red. Per pkt 5c, oz 25c.
- Thuja aurea.** (Golden Arbor Vitæ.) A dwarf variety; top foliage yellowish-green. Per pkt 5c, oz 35c.
- Thuja occidentalis.** (American Arbor Vitæ.) The best known variety; a native of the Eastern States. Per pkt 5c, oz 30c.
- Viburnum tinus.** (Laurustinus.) A handsome shrub, covered early in the season with clusters of beautiful white flowers. Per pkt 5c, oz 20c.

### Palms and Other Decorative Plants.

- Areca lutescens.** One of the most graceful and beautiful palms in cultivation; the foliage is a bright, glossy green, with rich, golden yellow stems. Per pkt 25c.
- Areca rubra.** A fine, graceful house palm. Per pkt 25c.
- Asparagus Sprengeri.** One of the most beautiful plants for pots or hanging baskets. One of the best house plants ever introduced. Per pkt 25c.
- Asparagus plumosus nanus.** Foliage finer and more beautiful than the most delicate fern, and will last for weeks after being cut. An excellent house plant, succeeding under almost any conditions. Per pkt 25c.
- Chamaerops excelsa.** A very large and extremely hardy palm. Per pkt 5c.
- Cocos Weddelliana.** The most elegant and graceful of all the smaller palms. Its slender, erect stem is freely furnished with gracefully arching leaves. Per pkt 50c.
- Dracaena australis.** A very tall, palm-like variety. Per pkt 15c.
- Dracaena indivisa.** An exceedingly graceful, narrow-leaved sort, suitable for outdoor decoration or as a house plant. Per pkt 15c.
- Erythea edulis.** A fine rapid-growing fan palm from the Guadalupe Islands; leaves bright green. Per pkt 25c.
- Kentia Belmoreana.** One of the hardiest palms in cultivation, as well as one of the most graceful and beautiful. It gives better satisfaction as a house plant than any other variety. Per pkt 25c.
- Kentia Fosteriana.** Very similar to the above, but of stronger growth, and broader, heavier foliage. Per pkt 30c.
- Latania Borbonica.** (Chinese Fan Palm.) A very beautiful lawn plant; or, grown in large tubs or pots, makes a fine plant for decorating theatres, halls or verandas. Per pkt 25c.
- Musa ensete.** (Abyssinian Banana) A stately and beautiful plant. It frequently reaches a height of 25 feet. Per pkt 25c.
- Phoenix Canariensis.** One of the hardiest of the date palms, with dark green feathery foliage; much used for lawns. Per pkt 10c.
- Phoenix dactilifera.** Yields the date fruit of commerce. It is a native of Asia and Northern Africa, where it attains a height of 75 feet. Per pkt 5c.
- Ptychosperma Alexandrae.** (Alexandra Palm.) Foliage light green on the upper side, with a silvery reflex; very graceful. Per pkt 25c.
- Seathforthia elegans.** One of the best palms for ordinary decorative purposes; of graceful habit, and rapid, easy growth. Per pkt 15c.
- Washingtonia filifera.** Our well-known California Fan Palm. Per pkt 5c.
- Washingtonia robusta.** Similar to the above, but darker green leaves, smoother and without threads. Per pkt 10c.



# J. & M. Reliable Implements and Tools.

## BEAN AND SEED SCREENERS AND PICKERS

We are sole agents for Southern California for the Bacon Individual Bean and Seed Pickers. Their use will add 100% to the value of a crop of beans. Every farmer and grower of beans, especially of Lima beans, should own one of these machines. Their practicability is shown by increased sales wherever they are in use. Being operated by foot or power, all the advantages of a fully equipped packing house are brought within the reach of the farmer and small bean dealer. The output of an operator is increased three-fold over table or wide apron picking. The best grade of work is done with them.

**No. 1 Picker** is commonly used by dealers and those having screening machinery.

The stock should be screened before coming to the picker.

The delivery spout is furnished with different sizes of long mesh galvanized wire screens, also slotted hanger for varying the pitch.

The screens are intended to take out splits, etc., that have escaped ordinary cleaning.

Price, crated, f. o. b., \$9.00.

**No. 2 Screener and Picker.**

This machine is designed for farmers, grocers and dealers who do not have suitable screening machinery.

The screening cradle is provided with different sizes of long mesh galvanized wire screen.

Will take out splits, shrunk beans, fine dirt, small stems, wheat, oats, etc., before the stock comes to the sorting apron.

The delivery spout is the same as in the No. 1 machine.

And will take out anything escaping the screening table.

Price, crated, f. o. b., \$10.00.



No. 2 Screener and Picker.

## THE DIAMOND CULTIVATORS



Single Wheel Diamond Cultivator

**Diamond Five-tooth Garden Cultivator.** Plow, Hoe and Weeder combined. The most complete hand tool made; and the only single wheel hand Cultivator having five teeth. Simple, strong and very light in weight. Price, complete with all attachments, \$4 50

**Diamond Double Wheel Cultivator.**

A six-tooth Cultivator, Plow and Hoe combined. Will straddle plants 18 inches high. In an onion field, and in many other crops as well, better work and more of it can be done with this machine than with any other tool. It is well built throughout, properly braced, and well calculated to withstand hard usage for many years. In fact it is an ideal machine of its kind and a time and money saving device for the gardener.

Price, complete with all attachments, \$6.00

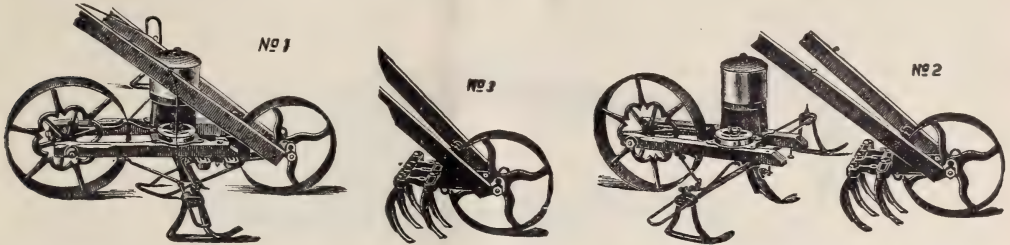


Double Wheel Diamond Cultivator.



## Bacon Combined Garden Drill and Cultivator

We believe this to be the best hand drill now in use. Its sowing qualities are exceptionally fine, light running, and for planting Beets, Parsnip, Carrot, Salsify, Wrinkled Peas, Smooth or Prickly Spinach, Corn, Beans, etc., it has no equal. By placing the heavy drill wheel behind in pushing the weight of the arms and drill are thrown upon it, insuring a regular movement of the feed and materially lightening the work. All drills have the



cultivator frame attachment, so that persons having the drill and wishing the cultivator need only to purchase such tools as wanted. As a combined tool they have none of the objectionable features of the ordinary implement of this class, the parts requiring no special modification to combine them; the drill is detached from the cultivator by the removal of but two nuts.

### BACON DRILL NO. (1)

The feed, which is entirely new, is not a modification of any in use, is simple, durable, easily adjusted, has no brushes, rubber or wire parts to wear and get out of order. Is of iron, and from its peculiar construction, handles the most delicate seeds without bruising or breaking. Can be varied to any amount, sowing evenly to the last seed.

In the Bacon Feed the flow of seed is varied without diminishing the diameter of the passage in use, which is always of such size as to give free passage to the most difficult seeds.

The variation of feed being accomplished by a variation of position of certain parts of the passage. This gives better results in easily handled seeds, and is absolutely necessary in handling successfully such seeds as Parsnip, Beet, Carrot, Salsify, Spinach, etc.

This peculiar feed and combination gives a universal drill of unequalled excellence. Price, \$7 00.

**Bacon Drill Combined with Single Wheel Cultivator (No 2).** Has five cultivator teeth, two hoes, one plow. Price, \$8.00.

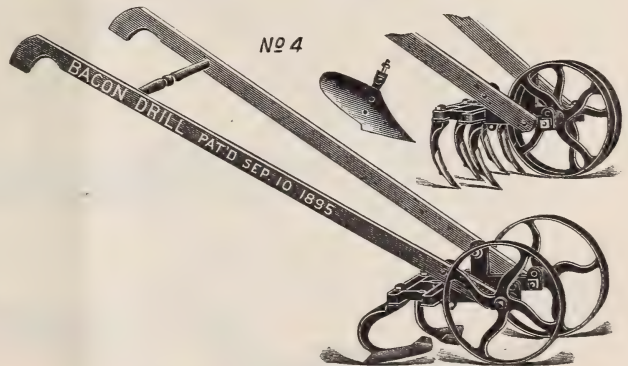
**Single Wheel Cultivator (No. 3.)** Complete with five teeth, two hoes, one plow. Price, \$4.50.

**Combination Single and Double Wheel Cultivator (No. 4).**

In the early growth of a crop many prefer a double wheel cultivator working straddle the row. Later

when the plants have made considerable growth, a one wheel cultivator, working between the rows, is preferred. To meet this demand we have designed the No. 4 cultivator, which may be used as a double or single wheel tool. In using the cultivator as a single wheel tool, the two wheels are brought together between the wheel supports, forming a single broad tire wheel. Price, \$6.00.

**Bacon Drill Combined with Single Cultivator (No. 7).** The most complete garden tool ever made. This drill has the No. 4 Cultivator, which may be used as a single or double wheel tool, working between or straddle the row. The front wheel, which is the cultivator wheel, is composed of two separate wheels forming a single broad tread wheel. This wheel may be separated, throwing the two halves to cut the out side of the wheel arms, making a double wheel tool for working straddle the row. Price, \$9.00.





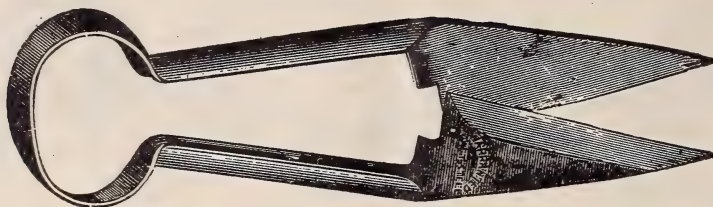
## Orchard and Garden Requisites.

We have always on hand a full line of garden tools. If there is anything you want for your lawn or garden, write for it, we have it.

**Corn Knife.** Clipper, straight taper blade, 40c.



Clipper Corn Knife.



<b>Grass Shears.</b> Straight blade, light .....	\$ .25
<b>Grass Shears.</b> Extra heavy, strong spring .....	.50

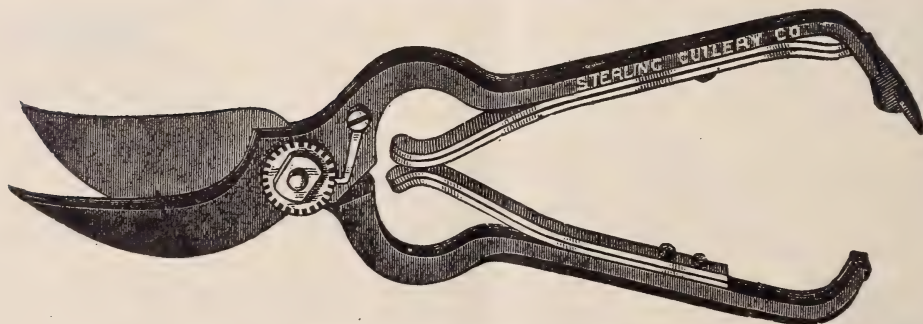


California Pruning Saw.

<b>Pruning Saw.</b> California, 14-inch .....	\$ .60
<b>Pruning Saw.</b> Duplex, 14-inch .....	.60



Budding Knife, \$1.00.



Sterling Pruning Shears. \$2.00.

We carry a complete line of pruning shears for every conceivable purpose. Write for price or call and select for yourself.



## Farmers' Sundries.

**Cahoon Seed Sower.** The standard sower, acknowledged superior to all other hand sowers. Gives perfect satisfaction and can be used for sowing alfalfa and all grains



Cahoon Seed Sower.

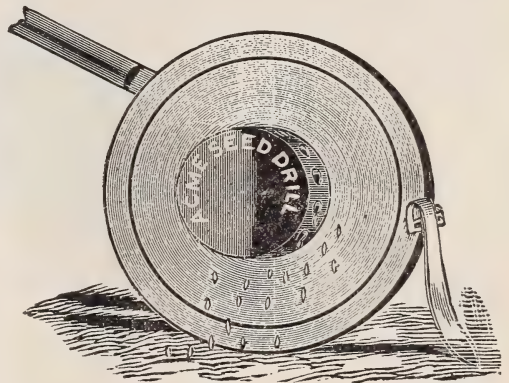
broadcast. Sows from four to eight acres per hour at a common walking gait. A saving of four-fifths of the labor and one-third of the seed is effected by its use. A person entirely unused to sowing by hand can use this machine with perfect success. Price, \$3.50.

**Premier Broadcast Seed Sower.** The strongest and neatest low-priced seed sower made. The seed is fed to the fan wheel through an adjustable slide, in such a manner as to insure an even distribution. The slide can be closed instantly; it moves freely and is so constructed that it can never bind. The grain bag is supported by a strap thrown across the shoulders, and is made of canvas, securely fastened

to the base of the machine. The Premier will sow any seed that is sown broadcast, such as oats, wheat, rye, rice, flax, millet, clover, timothy, grass seed, etc.

Under ordinary conditions, this machine will sow at a round, about as follows: Wheat, 50 feet; rye, 50 feet; clover, wax or millet, 40 feet; grass seed, 24 to 36 feet. Full directions are sent with each machine. The machine is warranted by the makers and we guarantee satisfaction. Price, \$1.25.

**Acme Seed Drill.** A garden seed drill that will distribute beet, cabbage, celery, carrot, lettuce, radish, turnip, and all similar seeds with perfect regularity. It is utterly impossible for it to sow anything but accurately, doing the work as thoroughly as the costly machines, and will cover ten times the ground that can possibly be covered by hand. It is simple in construction, so easily understood that a child can be instantly taught to use it; so simply constructed it is impossible to get out of order. Price, 75 cents. By mail, postpaid, \$1.



**American Corn Planter.** Slide drop; can be used with one or both hands. Weight complete, only four pounds. Price, \$1.

**Eclipse Corn Planter.** Rotary drop, with extra plates for different size corn. This is the best hand planter made. Price, \$1.25

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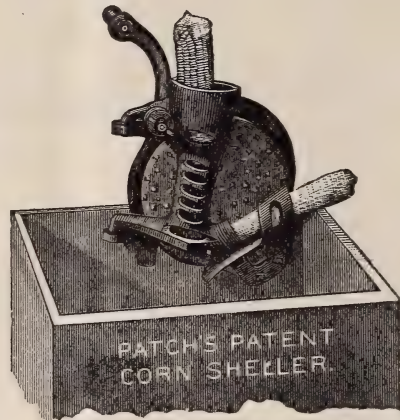
Ranchers and market gardeners are cordially invited to send to us for anything in their line that they may want; we have it.



**Black Hawk Corn Sheller.** Strong, simple and durable. Will shell easily and rapidly. It will also separate cob from shelled corn. We guarantee every sheller to give satisfaction. Price, \$2.50.

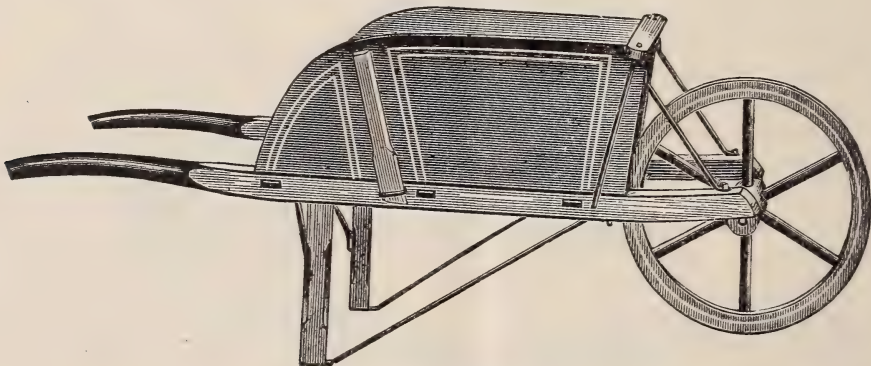


Corn Planter.



Corn Sheller.

**Black Hawk Pop Corn Sheller.** A small sized sheller similar to the above, but especially adapted to shelling pop corn. Price, \$2.



Garden Wheelbarrow.

**Wheelbarrow, Garden.** Strongly made, neatly finished and serviceable. Indispensable in every garden. Price, \$4.

**Wheelbarrow, Stave Tray.** Very durable. Price, \$2.50.

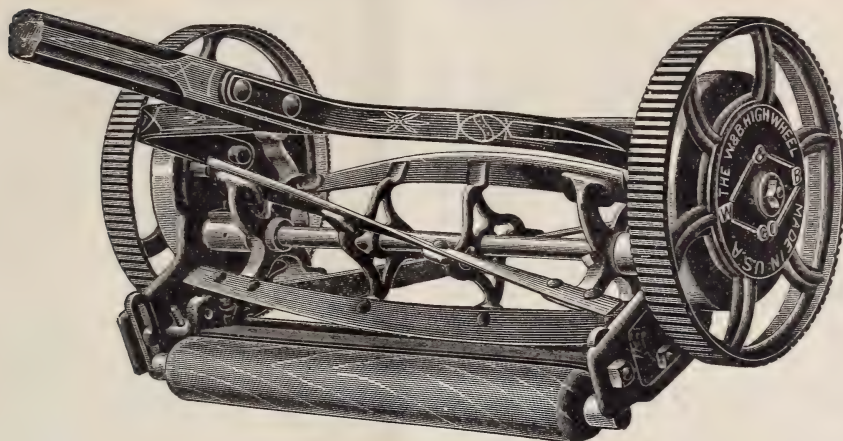
**Wheelbarrow, Common Bolted.** The best dump barrow; very strongly made; has an iron wheel. Price, \$2.50.

---

We call especial attention to our fine assortment of all descriptions of garden hoes and rakes; they merit inspection, while our prices are "just right."



## Lawn Mowers.



The Henley High-Wheel Lawn Mower.

**The "Reliable" Lawn Mower.** The best low-price mower. Attractively finished, well made and sure to give satisfaction. It is made with three or four cutting blades.

10-inch cut, 3 blades.....	\$2.75
12-inch cut, 3 blades.....	3.00
14-inch cut, 3 blades.....	3 50
16-inch cut, 3 blades.....	4.00
12 inch cut, 4 blades.....	3 50
14-inch cut, 4 blades.....	4.00
16-inch cut, 4 blades.....	4.50

**The Triumph Lawn Mower.** This is a first-class, high-grade lawn mower, made throughout in the best possible manner. Its material, workmanship and finish are unequalled. The ratchet, which is the life of a lawn mower, is certainly one of the best and most desirable in use. The cutting blades are of the best quality of crucible steel, tempered in oil. The reel has three blades, and revolves in brass boxings, which have a simple arrangement for taking up any wear that may occur in use. The handle is adjustable to suit the height of the user.

12-inch cut, 4 blades.....	\$4.00
14-inch cut, 4 blades.....	4.50
16-inch cut, 4 blades.....	5.00

**The Henley High Wheel Mower.** This Mower, in its mechanism, quality of material, workmanship and finish is exactly like the TRIUMPH, except that it is a much larger Mower, and is designed for cutting thick, heavy and high grasses. The reel, however, has four blades instead of three, and runs in brass boxings. The drive wheels, which are 9½ inches in diameter, are open for an inch of a way below the threads, giving the mower a most graceful appearance.

**The Henley Ball-Bearing Lawn Mower.** In the Henley Ball-Bearing Lawn Mower is realized the culmination of mechanical skill in lawn mower construction. No effort or expense has been spared to make this mower perfect in every respect. Where two parts are joined together in this mower, they are machined with the greatest care, so that they will fit together with mathematical exactness. As a result, there is no loss motion anywhere about the mower; it combines strength with lightness, and is noiseless in operation. This mower is graceful in appearance, and is highly finished.

14-inch cut.....	\$ 7.50
16-inch cut.....	8.50
18-inch cut.....	9.50
20-inch cut.....	10.50

**Chief Lawn Mower.** Thirty-inch cut, with horse attachment. Price, \$20.00.



## Lawn Fertilizers.



**J. & M. Seed Co.'s Reliable Lawn Fertilizer.** The ever increasing demand for an absolutely reliable Lawn Fertilizer has induced us to bring forward, under our own brand, one of the purest and best of commercial fertilizers. Put up under the supervision of expert chemists from one of the most approved formulas and guaranteed to give perfect satisfaction if properly used. Five pounds will sow 100 square feet of lawn. Put up in 50-lb. sacks at \$1 per sack. In small quantities, 5c per lb., 8 lbs. 25c.

**Woodbridge Fertilizer.** This is a high-grade fertilizer, especially prepared to promote the vigorous and healthy growth of a luxuriant grass, enabling it to stand rough usage and the protracted heat of summer. Being free from weed seed and odorless, it is far superior to the unsightly and strong-smelling stable manure dressings for use on lawns. It is unequalled as a food for plants and flowers, and especially roses. Five pounds will sow 100 square feet of lawn. Per lb. 5c, 100 lbs. \$2.50.

We also carry in stock fertilizers for vegetables, potatoes, small fruits, etc.

**A Full Line of Insecticides.** We carry in stock a complete and varied assortment of sprays, soaps, insect powders and apparatus. Kindly write us your insect and plant-disease troubles, and we will give you the proper remedy, together with the price.

## Poultry and Cattle Foods.

**OIL CAKE MEAL.** Eight pounds for 25 cents. Write for special prices on quantities.

**COCOANUT MEAL.** Ten lbs. 25c; 100 lbs \$2,

**LINSEED MEAL OR GROUND FLAX SEED.** Per lb. 5c; 6 lbs. 25c.

**WHOLE FLAX SEED.** Per lb. 5c; 6 lbs. 25c.

**PURE GROUND BONE FOR POULTRY.** Ten lbs. 25c; 100 lbs. \$2.

**GROUND SHELL.** Twelve lbs. 25c; 100 lbs. \$1.50.

**The Waters' Pruner.** The great favorite; it is more extensively used than any other. Price, 6 feet 80c; 8 feet 90c; 10 feet \$1.



The Cleveland Lawn Weeder.

**Cleveland Lawn Weeder.** One of the most practical devices on the market; try one. Price, 75c.

**Havil's Lawn Weeder.** The favorite among local gardeners. Price, 40c.

**Concerning Seeds.** We have always prided ourselves on the reliability of our seeds, which has been the main factor in the prosperity of this House. This year our supplies are larger and of better quality than ever. On this ground we solicit your trade.



## Spraying Apparatus.



**Complete Dust Sprayer.** For a long time there has been felt among fruit growers the need of a machine that will successfully and effectually dust spray trees and vines.

It is generally admitted by the best horticulturists that for many pests and diseases, dust spraying is absolutely essential to successfully combat them with.

The dust-spraying machine has many advantages over liquid sprays in effectiveness, economy, ease and rapidity of application; also much less cost for materials. It is admitted that sulphur is the only remedy for the red spider, which is becoming so common because trees have not been properly treated. With **THE COMPLETE DUST SPRAYER** you can easily free your orchard from this dangerous pest.

This machine may be used for any compound, for insects or fungus, or both at the same time. The dust process will kill sucking insects, lice, etc., not affected by the liquid spray.

The Complete Dust Sprayer weighs but seven pounds, hence is easily handled; it is carried by a strap over the shoulder and tied back to the waist. It has a flexible piece of hose attached so as to move the tube, which carries the dust in any direction. It carries the dust high enough for any ordinary tree in a **CONTINUOUS BLAST** and not in puffs as with the ordinary bellows generally used for this purpose.

A crank motion is used to run the fan, which turns very easily and also operates the feed agitator, which may be set to feed fast or slow as desired.

With each machine there is furnished three different kinds of outlet, for spreading the blast of dust or to concentrate it, also one for ground work to throw dust up underneath the vines. We also furnish extension tubes and everything complete for operating. Price, \$10.00.

**Hazeltine's Dust Sprayer.** It is light, weighing only 6 pounds; simple, has no machinery to get out of order or break; durable, if properly cared for will last for years, and it is the easiest operated of any dust sprayer made; it is operated under the arm like a Scotch bag-pipe, and is the cheapest sprayer on the market for the amount of work it will do.

The Universal Sprayer can be used as an all-purpose sprayer, for orchards, vineyards, gardens, flowers, cotton, tobacco, peas, potatoes, poultry, etc.

The Universal Dust Sprayer is intended for all purposes. Sent to any freight or express office in the United States, prepaid, for \$10.00.

**The Gardeners' Dust Sprayer,** A compact, convenient and serviceable implement at moderate cost. Price, \$5.00.





**Eureka Squirrel Exterminator.** With the use of Carbon Bi-Sulphide this is the best and cheapest implement with which to eradicate the squirrel and gopher pests on your land. We can confidently recommend the use of this machine in vineyards, orchards, grain fields, pasture lands, etc. It is of simple construction, weighing but eight pounds, and is made of the best galvanized sheet steel with a bellows attached. The working of the bellows causes the bi-sulphide in the machine to generate a gas which is forced throughout the hole or holes, not forcing in any of the liquid, but simply a gas from the bi-sulphide, thus saving the user 75 per cent of the carbon bi-sulphide bill over the old way of saturating balls of old rags, cotton, etc. Price, \$5 00.



Eureka Squirrel Exterminator.

**Aspinwall Sprayer.** This little sprayer has met with a large sale since its introduction, as it is an implement that is needed by every gardener and greenhouse man. Every one is well made, and has been tested with an automatic spray pump, which is important, for if the tubes, which should meet, are not adjusted correctly, the spray is poor and the pump defective. Price, 75c.



## YUCCA TREE PROTECTORS.

Just the thing with which to protect the young trees and shrubs from the rays of the hot summer sun, being cheap and serviceable.

No.		Per 1000
4	30 inches long, 7 inches wide.....	\$12.50
5	24 inches long, 7 inches wide.....	15.00
6	18 inches long, 7 inches wide.....	12.50
7	16 inches long, 7 inches wide.....	11.25
9	14 inches long, 7 inches wide.....	10.00
10	12 inches long, 7 inches wide.....	9.00
11	10 inches long, 7 inches wide.....	8.00

Other sizes in proportion. Write for illustrated descriptive circulars and samples.

**A Word About "We and Us."** We aim to keep only the best of everything in the seed and implement line, and to sell as low as is consistent with the quality of our goods. Catering especially to the trade of market gardeners, we earnestly ask consideration of planters when in the market for quantities of seeds. Buying and growing only on a large scale, we feel confident that we can not only serve the trade with reliable seeds, but that we can make prices that are attractive. Write us your wants.

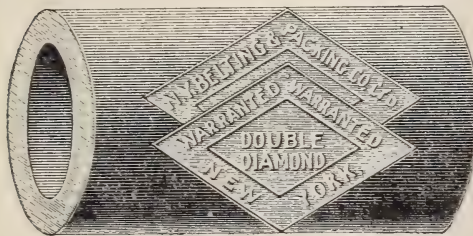


## Garden Hose

Three-quarter inch Standard, 3-ply .....per foot \$ .06  
 Three-quarter inch Ivy, 3-ply ..... .08



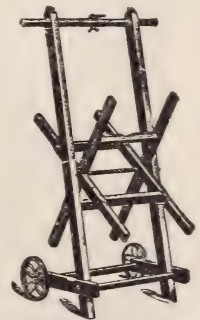
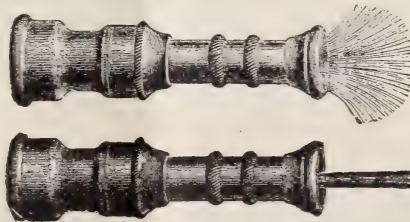
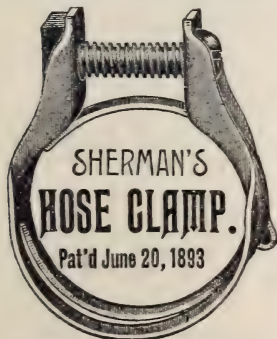
Three-quarter inch Spider, 3-ply .....per foot \$ .10  
 Three-quarter inch Acme ..... .11  
 Three-quarter inch Comet .....per foot .12  
 Three-quarter inch Wizzard, 3-ply ..... .13



Three-quarter inch Double Diamond, 3-ply .....per foot \$ 15  
 Three-quarter inch Multiplex, 7-ply ..... .16  
 Three-quarter inch Torrent, 7-ply .....per foot .18



Half-inch Standard, 3-ply .....per foot \$ .05  
 Half-inch Ivy, 3-ply ..... .07  
 Half-inch Spider, 3-ply ..... .08  
 Half-inch Acme, 3-ply .....per foot .10  
 Half-inch Comet 4-ply ..... .11



Half-inch Double Diamond 3-ply .....per foot \$ .12  
 Half-inch Multiplex, 7-ply ..... .14  
 Boston nozzle..... Price .40  
 Brass menders..... Per doz. .25  
 Hose reel..... Price 1.25



## VALUABLE REFERENCE TABLES FOR FARMERS.

## QUANTITIES OF SEED REQUIRED TO SOW AN ACRE.

Pounds.	Pounds.
Alfalfa..... 60	Peas, Cow..... 60
Alsike..... 60	Peas, English Smooth..... 60
Barley..... 48	Peas, English Wrinkled..... 56
Beans..... 60	Peach Pits..... 48
Broom Corn..... 46	Peanuts..... 25
Buckwheat..... 42	Potatoes, Irish..... 60
Canary..... 60	Potatoes, Sweet..... 55
Castor Bean..... 46	Rape..... 50
Clover, Red..... 60	Rye..... 56
Clover, White..... 60	Radish..... 50
Clover, Crimson..... 60	Sorghum..... 50
Clover, Japan..... 25	Sunflower..... 24
Clover, Burr..... 8	Tiosinte..... 50
Corn, Sugar..... 46	Turnip..... 58
Corn, Field..... 56	Vetch..... 60
Corn, Ear..... 70	Wheat..... 60
Flax..... 56	Grasses:
Hemp..... 44	English Rye..... 20
Millet, German..... 50	Italian Rye..... 20
Millet, Italian..... 50	Meadow Fescue..... 15
Millet, Hungarian..... 50	Orchard..... 14
Millet, Pearl..... 50	Kentucky Blue..... 14
Mustard..... 58	Texas Blue..... 16
Oats..... 32	Timothy..... 45
Osage Orange..... 33	Hungarian..... 48
Onion..... 54	Johnson..... 25
Onion Sets..... 32	Meadow Oat..... 14
Onions (full grown)..... 57	Rescue..... 14

## NUMBER OF PLANTS TO AN ACRE AT CERTAIN DISTANCES APART.

Dis. apart. No. plants.	Dis. apart. No. plants.	Dis. apart. No. plants.	Dis. apart. No. plants.
12x 1 In..... 522,720	24x24 In..... 10,890	36x36 In..... 4,840	60x60 In..... 1,743
12x 3 In..... 174,240	30x 1 In..... 209,088	42x12 In..... 12,446	8x 1 Ft..... 5,445
12x12 In..... 43,560	30x 6 In..... 34,848	42x24 In..... 6,223	8x 3 Ft..... 1,815
16x 1 In..... 392,040	30x12 In..... 17,424	42x36 In..... 4,148	8x 8 Ft..... 680
18x 1 In..... 348,480	30x16 In..... 13,068	48x12 In..... 10,890	10x 1 Ft..... 4,356
18x 3 In..... 116,160	30x20 In..... 10,454	48x18 In..... 7,790	10x 6 Ft..... 726
18x12 In..... 29,040	30x24 In..... 8,712	48x24 In..... 5,445	10x10 Ft..... 435
18x18 In..... 19,360	30x30 In..... 6,970	48x30 In..... 4,356	12x 1 Ft..... 3,630
20x 1 In..... 313,635	36x 3 In..... 58,080	48x36 In..... 3,630	12x 5 Ft..... 736
20x20 In..... 15,681	36x12 In..... 14,520	48x48 In..... 2,723	12x12 Ft..... 302
24x 1 In..... 261,360	36x18 In..... 9,680	60x36 In..... 2,901	16x 1 Ft..... 2,722
24x18 In..... 15,520	36x24 In..... 7,260	60x48 In..... 2,173	16x16 Ft..... 170

## SEED REQUIRED TO PRODUCE A GIVEN NUMBER OF PLANTS.

Quantity per acre.	Quantity per acre.
Artichoke, 1 oz. to 500 plants..... 6 oz.	Grass, Orchard, Perennial Rye, Red Top, Fowl Meadow and Wood Meadow..... 2 bu.
Asparagus, 1 oz. to 800 plants..... 1 lb.	Hemp..... ½ bu.
Asparagus roots..... 1,000 to 7250	Horse Radish Roots..... 10,000 to 15,000
Barley..... 2½ bu.	Kale, 1 oz. to 2000 plants..... 2 oz.
Beans, dwarf, 1 pint to 100 ft. of drill.. 1 bu.	Kohl Rabi, 1-3 oz. to 100 feet of drill.. 4 lbs.
Beans, pole, 1 pint to 100 hills..... ½ bu.	Leek, 1-3 oz. to 100 feet of drill..... 4 lbs.
Beet, garden, 1 oz. to 100 ft. of drill.. 7 lbs.	Lettuce, ¼ oz. to 100 feet of drill..... 3 lbs.
Beet, mangel, 1 oz. to 100 ft. of drill.. 5 lbs.	Martynia, 1 oz. to 100 feet of drill..... 5 lbs.
Broccoli, 1 oz. to 5000 plants..... 2 oz.	Melon, Musk, 1 oz. to 100 hills..... 1 to 3 lbs.
Brussels sprouts, 1 oz. to 5000 plants.. 2 oz.	Melon, Water, 4 oz. to 100 hills.. 1½ to 4 lbs.
Buckwheat..... ½ bu.	Nasturtium, 2 oz. to 100 feet of drill.. 15 lbs.
Cabbage, 1 oz. to 5000 plants..... 2 oz.	Okra, 1 oz. to 100 feet of drill..... 8 lbs.
Carrot, ¼ oz. to 100 feet of drill..... 2½ lbs.	Onion Seed, 1-3 oz. to 100 feet of drill..... 4 to 5 lbs.
Cauliflower, 1 oz. to 5000 plants..... 2½ oz.	Onion Seed for Sets..... 40 to 80 lbs.
Celery, 1 oz. to 15,000 plants..... 2 oz.	Onion Sets, 1 qt. to 40 ft. of drill..... 8 bu.
Chicory..... 4 lbs.	Parsnip, ¼ oz. to 100 feet of drill..... 3 lbs.
Clover, Alsike and White Dutch..... 6 lbs.	Parsley, ¼ oz. to 100 feet of drill..... 3 lbs.
Clover, Lucerne..... 15 to 25 lbs.	Peas, garden, 1 pint to 100 ft. of drill..... 1 to 3 bu.
Clover, Crimson Trefoil..... 10 to 15 lbs.	Peas, field..... 2 bu.
Clover, Large Red and Medium..... 8 to 12 lbs.	Pepper, 1 oz. to 1500 plants..... 2 oz.
Collards, 1 oz. to 5000 plants..... 2 oz.	Pumpkin, 1-3 quart to 100 hills..... 3 to 4 lbs.
Corn, rice, (shelled)..... 2 qts.	Radish, 2-3 oz. to 100 feet of drill 10 to 12 lbs.
Corn, sweet, ¼ pint to 100 hills..... 6 qts.	Rye..... 1½ bu.
Cress, ¼ oz. to 100 feet of drill..... 12 lbs.	Salsify, ¼ oz. to 100 feet of drill..... 3 lbs.
Cucumber, 1 oz. to 100 hills..... 1 to 3 lbs.	Spinage, ½ oz. to 100 feet of drill..... 8 lbs.
Egg Plant, 1 oz. to 2000 plants..... 4 oz.	Spurry..... 15 lbs.
Endive, ¼ oz. to 100 feet of drill..... 4½ lbs.	Summer Savory..... ¾ lbs.
Flax, broadcast..... ½ bu.	Sunflower..... 8 lbs.
Garlic, bulbs, 1 lb. to 10 feet of drill.. 1 bu.	Squash, Summer, 4 oz. to 100 hills..... 2 lbs.
Gourd, 2 oz. to 100 hills..... 1 bu.	Squash, Winter, 8 oz. to 100 hills..... 2 lbs.
Grass, Blue, Kentucky..... 2 bu.	Tomato, 1 oz. to 4500 plants..... 1 oz.
Grass, Blue, English..... 1 bu.	Tobacco, 1 oz. to 5000 plants..... 2 oz.
Grass, Hungarian and Millet..... ½ bu.	Turnip, 1 oz. to 250 feet of drill..... 1 to 3 lbs.
Grass, Mixed Lawn..... 3 to 5 bu.	Vetches..... 2 bu.
Grass, Red Top, Fancy Clean..... 8 to 10 lbs.	
Grass, Timothy..... ¼ bu.	



The Largest Poultry Supply House in the United States.

## THE IMPROVED LOS ANGELES INCUBATOR

Will hatch the Chicks that usually  
die in the shell when other makes  
of machines are used. . . . .

**Self Regulating  
Self Ventilating**

**Non-Moisture  
Most Economical**

HEADQUARTERS FOR

# Poultry Supplies

Of Every Description.

SEND FOR FREE CATALOGUE.

Agent Cyphers Incubators and Brooders

## HENRY ALBERS

(Vice-Pres. J. & M. Seed Co.)

315 S. Main St.

Los Angeles, Cal.



# INDEX

	Page
Friends and Patrons, to.....	1
Instructions When Ordering.....	2
Timely Hints on Planting.....	3
Tomato, The Montebello.....	4
Spark's Earliana.....	4
Ginseng.....	5
Bean, Kentucky Wonder.....	6
Mushrooms, Profit in.....	7
Potatoes.....	8
Artichoke.....	9
Asparagus.....	9
Beans.....	9
Wax.....	11
Pole.....	11
Beets,—Stock.....	12
Table.....	13
Broccoli.....	13
Brussels Sprouts.....	9
Cabbage.....	18
Carrots.....	17
Cauliflower.....	14
Celery.....	16
Chervil.....	14
Clover.....	36
Collards.....	14
Corn — Sweet.....	15
Salad.....	15
Field.....	35
Cress.....	14
Cucumber.....	17
Cultivators.....	53
Decorative Plants.....	51
Drills, Seed.....	53
Egg Plant.....	19
Endive.....	16
Fertilizers, lawn.....	58
Flower Seeds.....	39 40
Fodder Plants.....	37
Forest Trees.....	50
Garden Hose.....	61
Grasses.....	36
Herbs.....	32
Hose, Garden.....	61
Implements .....	52
Kale.....	20
Kohl Rabi.....	20
Lawn.. Grass.....	38
Lawn Mowers.....	57
Leek.....	24
Lettuce.....	20
Melon, Water.....	21
Musk.....	22
Mowers, Lawn.....	57
Okra.....	33
Onions.....	24
Sets.....	25
Ornamental Plants.....	50
Parsnip.....	27
Peas.....	25
Cow.....	36
Field.....	35
Peppers.....	25
Planters.....	55
Poultry Supplies.....	63
Potatoes.....	34
Sweet.....	34
Fall.....	60
Pumpkin.....	27
Radish.....	28
Reference Tables.....	62
Rhubarb.....	28
Roselle.....	33
Salsify.....	30
Seeders.....	55
Spinach.....	30
Spraying Apparatus.....	59
Squash.....	29
Tobacco.....	33
Tomatoes.....	31
Tools, Farm.....	52
Orchard.....	54
Garden.....	54
Turnips.....	30
Vetches.....	36
Wheelbarrows.....	56









# WONDERFUL LETTUCE

This is a distinct and superior variety of Lettuce. It is said by its introducer to have been grown to six pounds in weight; the average size, however, with ordinary culture is about two or three pounds. The heart is very solid, of a pale green color and is tender and crisp. There is an entire absence of the rank, bitter taste so noticeable in many of the lettuces.



Wonderful Lettuce.

## THOROUGHLY TESTED.

This variety we have subjected to a most thorough test during the season just past with highly satisfactory results, and we can now offer it to the grower with perfect confidence and recommend it as one of the leading varieties of this popular vegetable.

Local dealers unanimously pronounce this lettuce to be the finest they have seen this season.

Pkt 5c, oz 10c, lb 80c.

SEED FOR SALE ONLY BY

## Johnson & Musser Seed Co.

No. 113 North Main St.

LOS ANGELES, CAL.





WILFONG  
Pride of  
CAHUENGA